Biological Data from Experimental Fisheries at Special Harvesting Areas in the Sahtu Dene and Metis Settlement Area, NT: Volume 2. Lakes Near the Communities of Colville Lake, Fort Good Hope, Norman Wells, and Tulita

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BIOLOGICAL DATA FROM EXPERIMENTAL FISHERIES AT SPECIAL HARVESTING AREAS IN THE SAHTU DENE AND METIS SETTLEMENT AREA, NT: VOLUME 2. LAKES NEAR THE COMMUNITIES OF COLVILLE LAKE, FORT GOOD HOPE, NORMAN WELLS, AND TULITA

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PREFACE

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ABSTRACT

Stewart, D.B., Taptuna, W.E.F., Lockhart, W.L., and Low, G. 2003. Biological data from experimental fisheries at Special Harvesting Areas in the Sahtu Dene and Metis Settlement Area, NT: Volume 2. Lakes near the communities of Colville Lake, Fort Good Hope, Norman Wells, and Tulita. Can. Data Rep. Fish. Aquat. Sci. 1126: viii + 101 p.

Twenty-eight Special Harvesting Areas (SHA) for fish were established under the Sahtu Dene and Metis Comprehensive Land Claim Agreement. These areas are the sites of important traditional fisheries by participants in the agreement. In 1995, to facilitate the management of these fisheries, the Department of Fisheries and Oceans and the Renewable Resources Councils in the communities of Colville Lake, Fort Good Hope, Norman Wells and Tulita began a 5-year study. Aubry, Bandy, Colville, Kelly, Loon, Mahony, Manuel, Mirror, Rorey, Tagatui and Turton lakes and Lac Belot were sampled. Burbot (*Lota lota*), cisco (*Coregonus* sp.), lake trout (*Salvelinus namaycush*), inconnu (*Stenodus leucicthys*), lake whitefish (*Coregonus clupeaformis*), northern pike (*Esox lucius*), and yellow walleye (*Stizostedion vitreum*) were caught. This report presents data on the number and weight of fish caught per unit of sampling effort; on the age, length, weight, sex and maturity of the fish; and on the concentrations of heavy metal contaminants in the flesh, including methylmercury and total arsenic, mercury, and selenium.

Key words: fishery management; population parameters; fish growth; CPUE; tissue metals; Mackenzie River Basin.

RÉSUMÉ

Stewart, D.B., Taptuna, W.E.F., Lockhart, W.L., and Low, G. 2003. Biological data from experimental fisheries at Special Harvesting Areas in the Sahtu Dene and Metis Settlement Area, NT: Volume 2. Lakes near the communities of Colville Lake, Fort Good Hope, Norman Wells, and Tulita. Can. Data Rep. Fish. Aquat. Sci. 1126: viii + 101 p.

Vingt-huit secteurs spéciaux de récolte du poisson ont été établis en vertu de l'Entente sur la revendication territoriale globale des Dénés et Métis du Sahtu. Ces secteurs sont d'importants lieux traditionnels de pêche pour les Autochtones visés par cette entente. En 1995, afin de faciliter la gestion de ces pêches, le ministère des Pêches et des Océans et les Conseils des ressources renouvelables des collectivités de Colville Lake, Fort Good Hope, Norman Wells et Tulita ont lancé une étude de 5 ans, dans le cadre de laquelle les lacs Aubry, Bandy, Colville, Kelly, Loon, Mahony, Manuel, Mirror, Rorey, Tagatui, Turton et Belot ont été échantillonnés. Les prises se composaient de lotte (*Lota lota*), de cisco (*Coregonus* sp.), de touladi (*Salvelinus namaycush*), d'inconnu (*Stenodus leucicthys*), de grand corégone (*Coregonus clupeaformis*), de grand brochet (*Esox lucius*) et de doré jaune (*Stizostedion vitreum*). Sont présentées dans ce rapport des données sur le nombre et le poids des poissons capturés par unité d'effort d'échantillonnage, leur âge, leur longueur, leur sexe et leur stade de maturité, ainsi que les teneurs en métaux lourds dans la chair, y compris le méthylmercure et l'arsenic total, le mercure et le sélénium.

Mots clés : gestion des pêches; paramètres de population; croissance du poisson; PUE; métaux lourds; bassin du fleuve Mackenzie.

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INTRODUCTION

One of the provisions of the Sahtu Dene and Metis Comprehensive Land Claim Agreement, which was approved by Order in Council on 23 June 1994, was the establishment of twenty-eight Special Harvesting Areas for fish. These areas are sites of important traditional fisheries by Sahtu Dene and Metis participants in the agreement. Their locations are described in Schedule V, Appendix E of the agreement (Canada 1993).

The purpose of these Special Harvesting Areas is to protect and conserve the fisheries resource at these traditional harvesting sites. Under the agreement, any commercial fishing activities in these areas will gradually be phased out. Indeed, the only persons now eligible to obtain a licence to fish commercially in waters of the Special Harvesting Areas listed in schedule V, appendix E, are those who held a valid commercial fishing licence for those waters at the date of legislation. To maintain this privilege the licence holders must continue to renew their licences each year. Persons who are not participants in the agreement may only fish for sport in the Special Harvesting Areas (Canada 1993).

A number of the fish species harvested in the Sahtu Dene and Metis Settlement Area migrate long distances on a seasonal basis (Stewart 1996). These movements have important ramifications for fishery management in the Settlement Area (Fig. 1). Long distance migrants such as the Arctic cisco, broad whitefish, and inconnu may be vulnerable to harvest by Inuvialuit, Gwich'in, Sahtu, and Deh Cho fisheries. These fishes are available to harvesters on a seasonal basis at known locations. Some of them, perhaps all, also have discrete spawning stocks. Consequently fishermen at a given location, in a given season may be harvesting fish from a number of different stocks.

Volume 1 of this report series deals with Special Harvesting Areas one and two, located in the Upper Ramparts and Little Chicago areas of the Mackenzie River (Stewart *et al.* 1997).

In 1996, the community Renewable Resources Councils (RRCs), with agreement from the Sahtu Renewable Resources Board, convinced the Department of Fisheries and Oceans (DFO) to broaden the scope of study to include other lakes in their areas that are used more than some of the Special Harvesting Areas. DFO consulted with the RRCs in Colville Lake, Fort Good Hope, Norman Wells, and Tulita to identify which lakes to study first in each of the community areas.

DFO then conducted a six-year study in the four Sahtu communities, in co-operation with the RRCs, to facilitate management of fisheries at the Special Management Areas and at the other lakes. The study was funded by DFO implementation funds and designed to collect seasonal baseline biological data from fish populations in the lakes. Its' main objectives were to involve the four RRCs in the management of their fisheries and to gather biological data from the lakes they chose in order to address community concerns about the fish stocks.

The local RRC was contracted to conduct the fisheries fieldwork in each community area. Local beneficiaries of the claim, who brought their traditional knowledge of the land and fisheries to the study, were hired by the RRC's to do this work. This approach incorporated local knowledge of the fishing sites and fish stocks into the process of collecting scientific data. A DFO technician instructed the field crews on fish sampling techniques. The technician supervised the project for a few days at its outset to teach the field workers how to conduct and record the scientific data.

This report documents data collected from fish stocks in Turton and Kelly lakes, which are Special Harvesting Areas 7 and 9 respectively; and from Lac Belot and Aubry, Bandy, Colville, Loon, Mahony, Manuel, Mirror, Rorey and Tagatui lakes, which are also important local fisheries. These data provide a baseline for comparison with future stock assessment and heavy metal contaminants studies.

MATERIALS AND METHODS

Twelve lakes in the Sahtu Settlement Area were sampled through the ice between March 1996 and April 2000 (Fig. 2). Their map co-ordinates, from the Geographical Names Board of Canada (http://geonames.nrcan.gc.ca) are:

Aubry Lake	(67°24'00"N, 126°27'00"W)
Bandy Lake	(65°16'05"N, 126°29'45"W)
Lac Belot	(66°53'00"N, 126°16'00"W)
Colville Lake	(67°10'00"N, 126°00'00"W)
Kelly Lake	(65°23'30"N, 126°15'00"W)
Loon Lake	(66°36'30"N, 128°43'15"W)
Mahony Lake	(65°30'00"N, 125°20'00"W)
Manuel Lake	(66°58'00"N, 128°54'00"W)
Mirror Lake	(64°51'00"N, 126°55'00"W)
Rorey Lake	(66°55'00"N, 128°24'00"W)
Tagatui Lake	(64°57'20"N, 125°13'50"W)
Turton Lake	(65°48'25"N, 126°57'00"W)

Local Dene and Metis beneficiaries who

were familiar with the land conducted the field-sampling program. They were hired by the community RRCs and trained on-site in scientific sampling techniques by a DFO Technician. This work included the collection and sampling of fish, completion of catch-per-unit-effort forms for the gillnetting, and the recording of biological data. Fishing took place through the ice in winter and the projects were of short duration. Occasional failures to follow sampling protocols, the availability or choice of equipment, and decisions by field crews in the absence of DFO technicians have limited the usefulness of some data for comparative purposes.

Fish were captured using single-mesh gillnets set on the bottom of the lakes. These gillnets were each of a different mesh size (89 mm, 114 mm, 140 mm stretched measure) and measured either 45.5 m (50 yards) or 91.4 m (100 yards) in length and either 1.83 (6 ft) or 3.66 m (12 ft) in depth. The short, shallow nets were generally set in smaller, shallower lakes and *vice versa*. The nets were constructed of 210-3 woven white nylon with a float line at the top, a lead line at the bottom, and a bridle at each end. Most nets were set overnight, either singly or in mixed-mesh gangs, and pulled the following day. The location and period of gillnet sets was recorded. Captured fish were separated on the basis of mesh size.

Fish were identified to species, weighed (round weight ± 10 g; Superior Weighing Systems Ltd. Accu-weigh model DSY-1100), and measured (fork length or total length (burbot only) ± 5 mm). The exception was at Colville Lake in 1999, where the field crew initially rounded fork length measurements to the nearest mm, then to nearest 5 mm, then 10 mm, and finally to the nearest 50 mm. Gonads were examined to determine the sex (Appendix 1). Pelvic fins, dorsal spines or sagittal otoliths were removed and preserved in scale envelopes for age determination in the laboratory. A subsample of fishes were also bagged and preserved frozen for laboratory analyses of heavy metal contaminants.

Catch per unit effort

The catch per unit of sampling effort (CPUE) was determined for selected species at each sampling location. Where possible, the mean, standard deviation and range of the CPUE are reported by species for each gillnet mesh in terms of both the number and round weight (kg) of fish taken per 100 m of gillnet set for a 24 h period. Because nets of various lengths and depths were used for the study, sometimes at the same location, care must be taken when comparing the catch effort data.

Catch effort data are not available for the Manuel Lake project. Subsampling, missing weight values, or problems with recording the field data also precluded the calculation of catch effort estimates by weight at Kelly, Loon, Mirror, Tagatui, and Turton lakes.

Condition

The condition factor (K), a relative measure of the plumpness or robustness of the fish, was determined using the following formula:

$$K = (\text{round weight in g} \cdot 10^5) \cdot \text{fork or total length in mm}^{-3}$$

Age determination

Fish ages were determined by examinations of pelvic fins, scales, dorsal fin spines, or sagittal otoliths. The structure used to age each species at each lake is shown in Table 56.

Ages of northern pike and yellow walleye and of some lake trout and lake whitefish were determined from fin or spine cross sections following the technique used by Chilton and Beamish (1982). One fin or dorsal spine from each fish was embedded in epoxy and then sectioned across its longitudinal axis near the base, using a Buehler Isomet low speed saw. The sections were mounted on microscope slides, examined at 10X power with transmitted light, and interpreted using the criteria described by Chilton and Beamish (1982).

Burbot ages were determined from sagittal otolith cross-sections using the break and burn method. One otolith from each fish was broken through the nucleus and the exposed surfaces were heated over a hot plate until they turned light brown. The burned surfaces were then coated with glycerine and examined under a binocular dissecting microscope using reflected light. Annual growth rings were interpreted using the criteria described by Nordeng (1961).

The ages of inconnu and lake whitefish from Kelly Lake were determined by interpreting the growth bands on their scales (C. Read, DFO pers comm.). Several scales were removed from the left side of each fish, between the dorsal fin and the lateral line. These scales were examined in the laboratory using a microfiche reader to count the number of annuli. Ages were interpreted as described by Mackay *et al.* (1990). Most annuli on inconnu scales can be identified by the first wide circulus following a series of narrow, closely spaced circuli. In old fish, the

annuli are less distinct and the criteria used were "cutting-over" of circuli, a break in the pattern of circuli indicated by a discontinuity and/or the spacing of annuli. January 1st was used as the "birth date".

The ages of most lake trout, and a few lake whitefish taken from Manuel Lake in 1997, were determined from sagittal otoliths. In the laboratory, the convex surface of each otolith was ground on a fine carborundum stone. The otoliths were then immersed in benzyl-benzoate on a depression slide and the annual growth rings were counted using a dissecting microscope. The trout were aged according to the method of Nordeng (1961), where the dark central core is considered to represent the first winter's growth.

Tissue metals analyses

Tissue samples from fish frozen on site at the lakes were analysed for heavy metal contaminants at the Freshwater Institute Science Laboratory in Winnipeg. Total arsenic (As), total mercury (Hg), total selenium (Se), and methyl mercury (MeHg) concentrations in muscle tissue were determined and reported as $\mu g \cdot g^{-1}$ wet weight. Table 57 is a key to which analyses were conducted on the fishes that were sampled at each lake in a particular year. A description of the analytical methods follows (R. Hunt and G. Boila, DFO, Winnipeg, pers. comm.).

All acids used in this study were trace metal analysis grade (concentrated) unless otherwise specified. All water was distilled and deionized. Commercial AA standards, reagent blanks, and standard reference materials were digested concurrently with the samples. Test tubes used for digestion were 25 x 200 mm Pyrex glass and were washed with 10% nitric acid followed by deionized water prior to use. The aluminum block heater used for digestions was both time and temperature programmable. Standard reference materials (National Research Council) are analysed with each sample. The following summaries are intended to convey critical method parameters for publication rather than serve as a methods manual.

Mercury was analysed using the "hot block digestion--cold vapour atomic absorption method" (Hendzel and Jamieson 1976). A small sub-sample of wet tissue (0.2 g) was digested with 5 mL of 4:1 sulfuric:nitric acids at 180 °C for 12 h, cooled and diluted to 25 mL with water. Elemental mercury was released from this solution with a stannous chloride reductant and carried by a stream of air to a LDC model 3200 Mercury Monitor for atomic absorption detection (detection limit 0.01 $\mu g \cdot g^{-1}$).

Arsenic was analysed using the "borohydride reduction method" (Vijan and Wood 1974). A small sub-sample of wet tissue (0.8 g muscle, 0.4 g liver, 0.4 g kidney) was digested with nitric (4 mL), sulfuric (0.5 mL), and perchloric (1 mL) acids for 5 h at 130 °C, followed by 2 h at 200 °C. After addition of hydrochloric acid (7.5 mL) and then water (15 mL), the solution was heated to 90 °C for 1 h, cooled and adjusted to 25 mL with water. Arsine gas was generated from this solution by the automated addition of 2% sodium borohydride and 10% potassium iodide solutions and swept by a nitrogen stream into an electrically heated quartz tube furnace (800 °C) installed in the burner cavity of a Varian SpectrAA-20 atomic absorption spectrophotometer (detection limit 0.05 $\mu g \cdot g^{-1}$ for arsenic and selenium).

Selenium was measured using the same techniques and instrumentation as arsenic, with the exception that the 10% potassium iodide solution was not added.

Methylmercury was extracted from a small sample (1 g) of wet muscle tissue and analysed using a Varian Model 3400 gas chromatograph following the method described by Wagemann *et al.* (1997). The absolute detection limit was 0.01 to 0.08 $\mu g \cdot g^{-1}$ Hg in wet tissue, depending upon the dilution.

RESULTS

Species captured during the sampling program included: burbot (*Lota lota*), cisco (*Coregonus* sp.), lake trout (*Salvelinus namaycush*), inconnu (*Stenodus leucicthys*), lake whitefish (*Coregonus clupeaformis*), northern pike (*Esox lucius*), and yellow walleye (*Stizostedion vitreum*). Biological data from the individual fish sampled are archived in Appendices 2 through 13.

A series of histograms illustrate the age- and length-frequency distributions for lake trout from Aubry (Fig. 3+4), Colville (Fig. 10+11), Mahony (Fig. 22), Mirror (Fig. 28), and Turton (Fig. 36+37) lakes; lake whitefish from Colville (Fig. 12+13), Kelly (Fig. 16+17), Mahony (Fig. 23), Mirror (Fig. 29), and Rorey (Fig. 31+32) lakes; and northern pike from Mahony Lake (Fig. 24). In each case, the data are either from a single mesh size of gillnet or are the combined catches of 89, 114, and 140 mm mesh gillnets with similar catch effort. Frequency distributions were not illustrated for other sites or species where sample sizes were <50 for a given mesh or where fishing efforts did not give a balanced view of the stock composition. In the latter

cases, the fishing efforts were either so uneven between mesh sizes that their catches could not reasonably be combined to provide an overview of the stock composition, or gear types with different catchability (e.g. 1.83 or 3.66 m deep nets) were used.

The period and duration of gillnet sets, and the number and weight of each species caught in a set, are summarized by sample site and mesh size in Tables 1 through 11. These data were not recorded for Manuel Lake, so catch effort data are not available for this lake, and sometimes for fish weights at the other lakes. The latter are due to unplanned changes in the field sampling program or problems with recording the field data. The weight and/or number of fish caught per unit of sampling effort are summarized by mesh size in Tables 12 through 22. Care must be taken when comparing these numbers since some catch effort data are expressed as catch per 100 m of 1.83 m (6') deep net per 24 h, and others as catch per 100 m of 3.66 m (12') deep net per 24 h.

Length and age composition data for each species are presented, by sex when possible and for all meshes combined or for each gillnet mesh size, where >20 fish of the species were taken.

Catch data from the 89, 114 and 140 mm mesh size gillnets were combined for lake trout at Aubrey Lake (Tables 23+24); northern pike at Bandy Lake (Table 25); burbot, lake trout and lake whitefish at Colville lake (Tables 28-33); lake trout, lake whitefish and northern pike at Mahony Lake (Tables 38-40); and, lake trout and lake whitefish at Mirror Lake (Tables 45+46). At each of these locations the fishing effort was similar for each mesh size of gillnet. Catch data from a single mesh size of gillnet was presented for lake trout, lake whitefish and yellow walleye at Rorey Lake (Tables 47-52); and lake whitefish and lake trout at Turton Lake (Tables 54+55). These data and the combined samples listed above provide useful data on fish growth for comparison with future studies. They also provide an overview of the population structure, which can be compared with future assessments of population structure.

Catch data are also presented for a number of locations where the sampling effort by each mesh size varied. They include lake trout and lake whitefish at Kelly Lake (Tables 34-37); burbot and northern pike at Manuel Lake (Tables 41-44); and lake whitefish at Tagatui Lake (Table 53). Data for a small sample of lake trout from Lac Belot are also presented (Tables 26+27). These tables provide managers with a general overview of the age and length relationships within the populations. They provide useful data on fish growth for comparison with future studies, but do not provide an accurate overview of the population structure for comparison with future assessments of population structure.

Results of the contaminant analyses are reported in Appendices 2 through 13. Scatter plots relating total mercury in the flesh to the age and length of the fishes sampled are provided for Aubry Lake (Fig. 5+6), Bandy Lake (Fig. 7), Lac Belot (Fig. 8+9), Colville Lake (Fig. 14+15), Kelly Lake (Fig. 18+19), Loon Lake (Fig. 20+21), Mahony Lake (Fig. 25), Manuel (Fig. 26+27), Mirror Lake (Fig. 30), Rorey Lake (Fig. 33+34), Tagatui Lake (Fig. 35), and Turton Lake (Fig. 38 and 39).

Seventeen field workers from Colville Lake, Fort Good Hope, Norman Wells, and Tulita contributed their extensive traditional knowledge of the land, lakes, and fisheries of the area to this study. For most, it was their first exposure to collecting scientific data. While there were some problems with the data, they learned DFO sampling techniques and gained understanding of this type of information gathering for future work and for meetings dealing with fisheries management issues. In turn, DFO personnel learned about the lakes and fisheries important to four of the five Sahtu communities.

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Fish ages were determined from otoliths by Gary Carder and other structures by Carol Read using material prepared by Laura Heuring. Fish were analysed for contaminants by Joanne Delaronde and Gail Boila at the Freshwater Institute in Winnipeg. Carol Read, Pam Taylor, and Joanne

Delaronde of DFO and Cécile Stewart of Arctic Biological Consultants undertook careful reviews of the manuscript at various stages. Your participation has greatly strengthened this project and we thank you.

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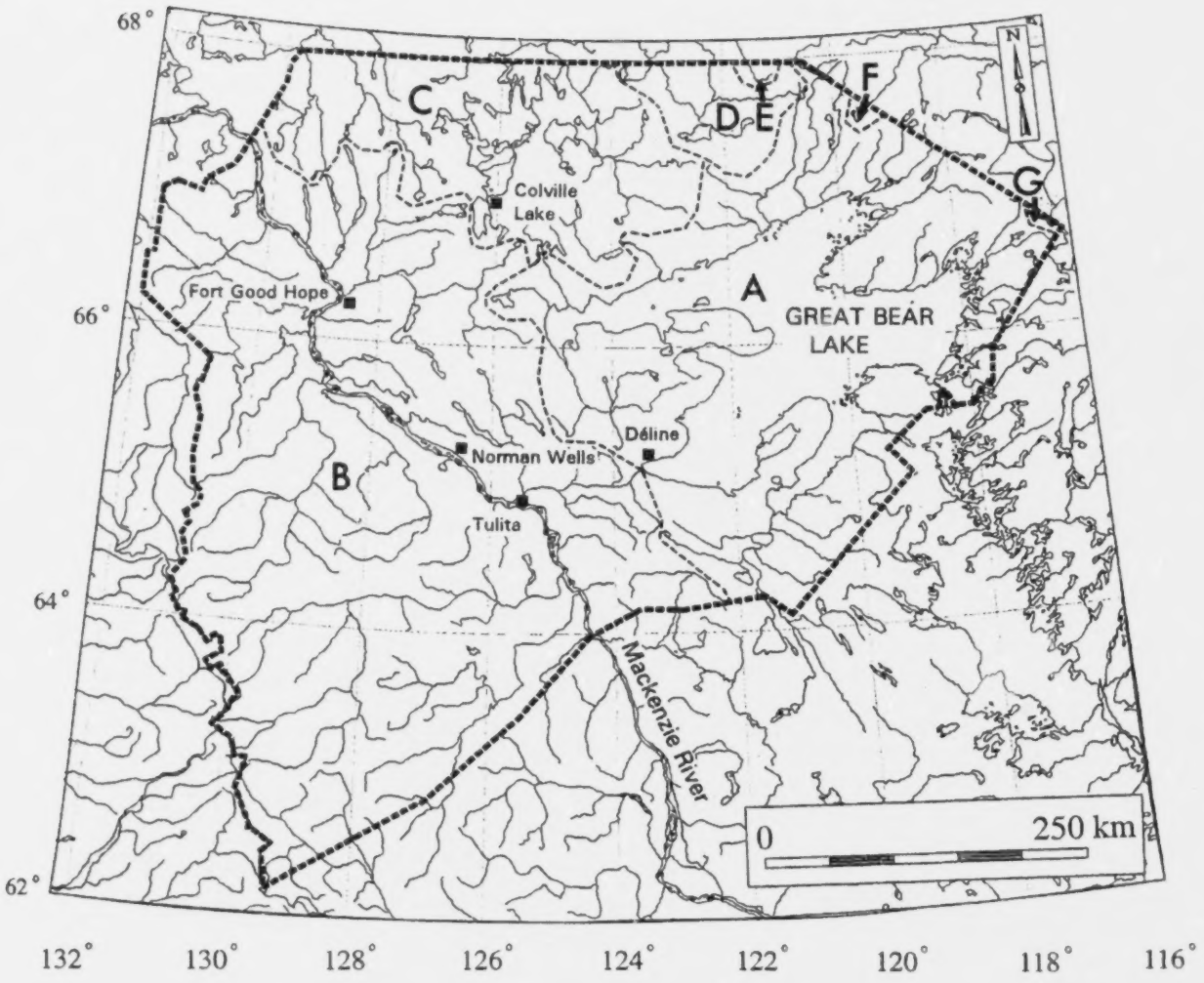

Figure 1. Map of the Sahtu Dene and Metis Settlement Area showing major rivers, drainage basins and communities. The drainage basins are coded by letter as follows: A. Great Bear Lake, B. Mackenzie River, C. Anderson River, D. Horton River, E. Hornaday River, F. Rae River, and G. Coppermine River.

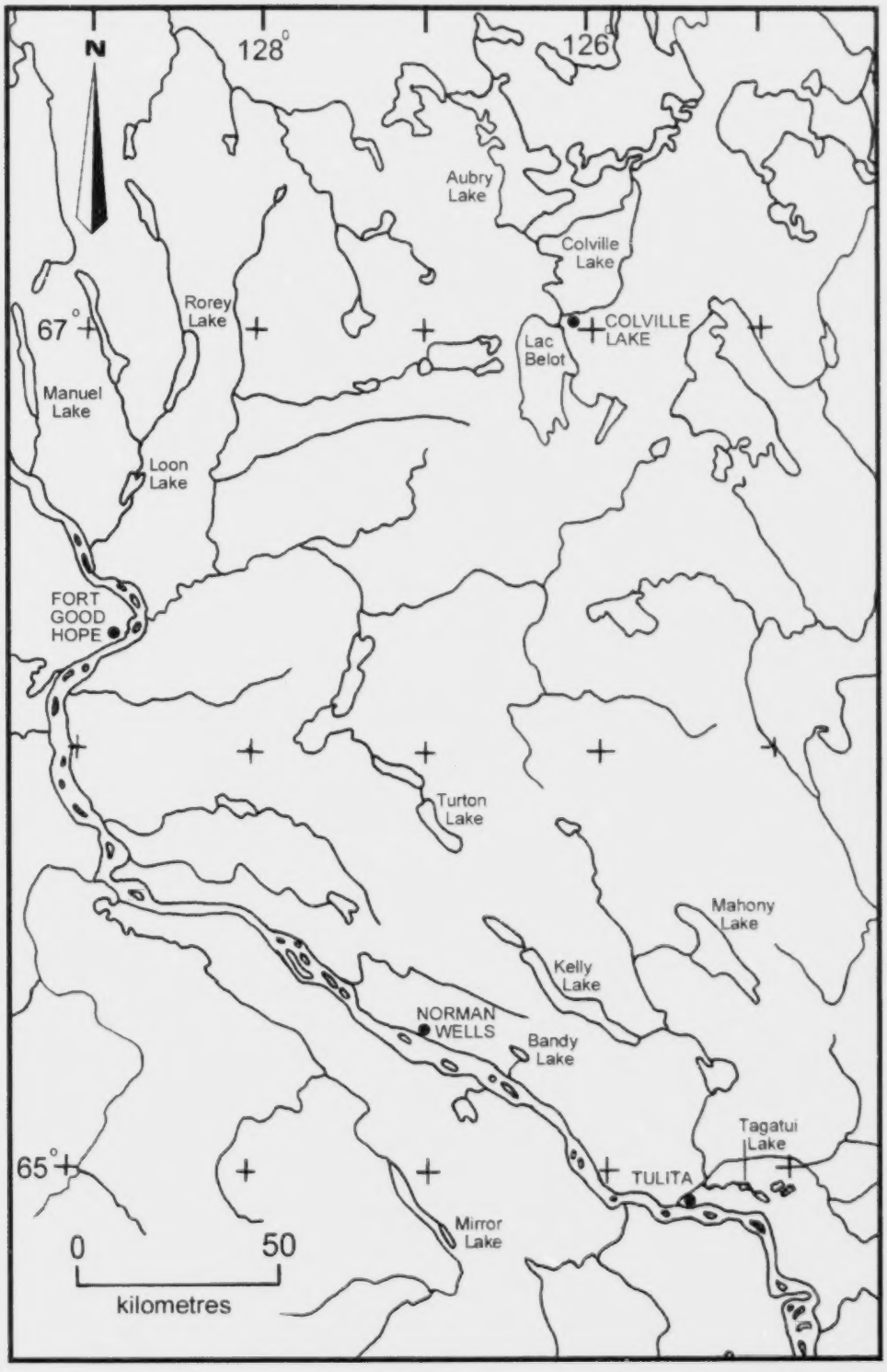

Figure 2. Map showing the locations of lakes in the Sahtu Settlement Area sampled by experimental fisheries between March 1996 and March 2000.

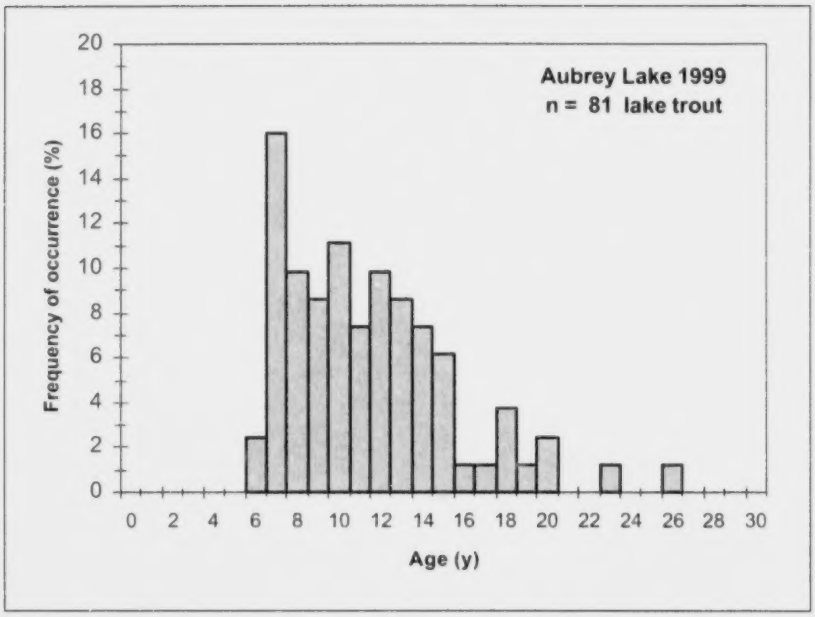

Figure 3. Age-frequency distribution of lake trout caught in gillnets (89, 114, and 140 mm mesh combined) at Aubry Lake, NT, in November and December 1999.

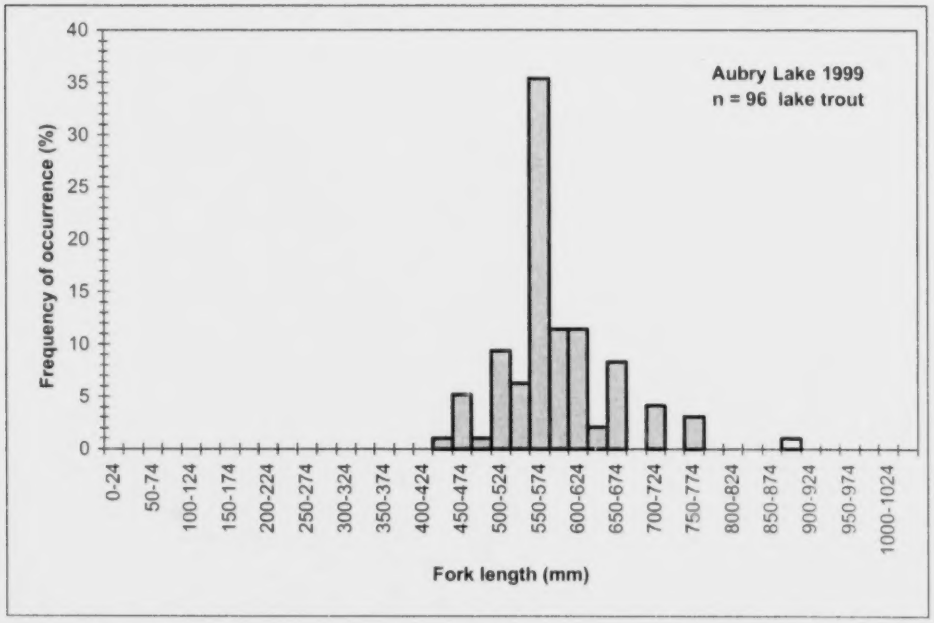

Figure 4. Length-frequency distribution of lake trout caught in gillnets (89, 114, and 140 mm mesh combined) at Aubry Lake, NT, in November and December 1999.

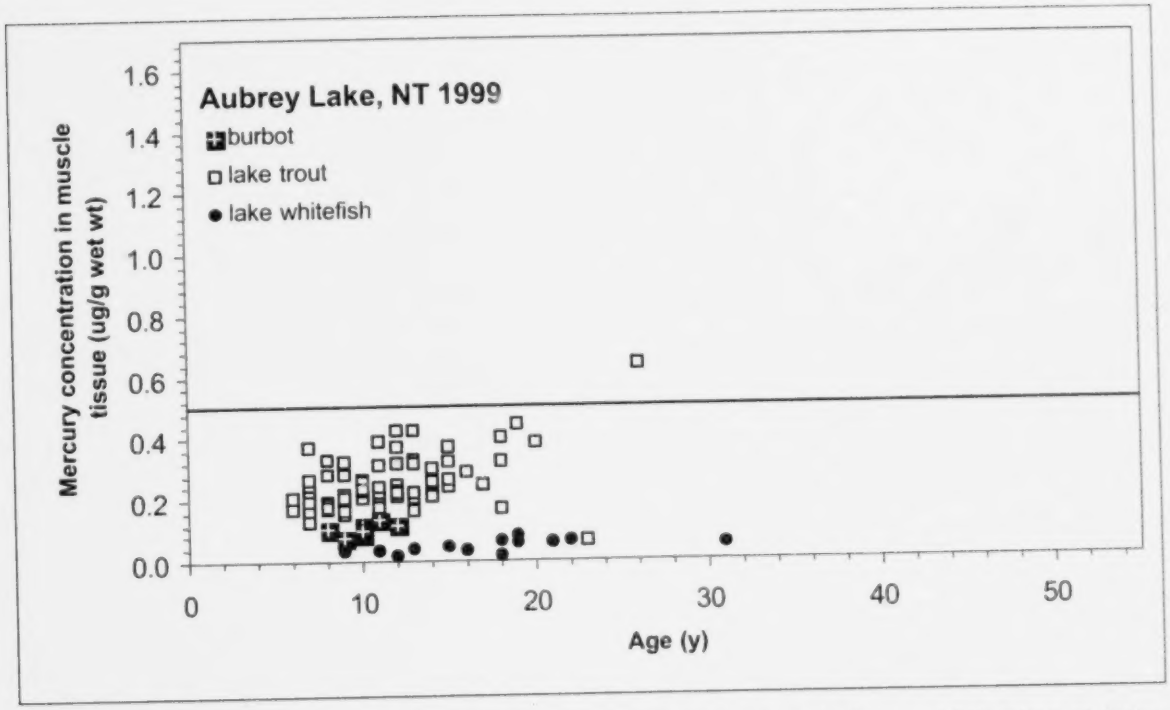

Figure 5. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken at Aubry Lake, NT in November and December 1999. Line indicates commercial limit (CFIA 2002).

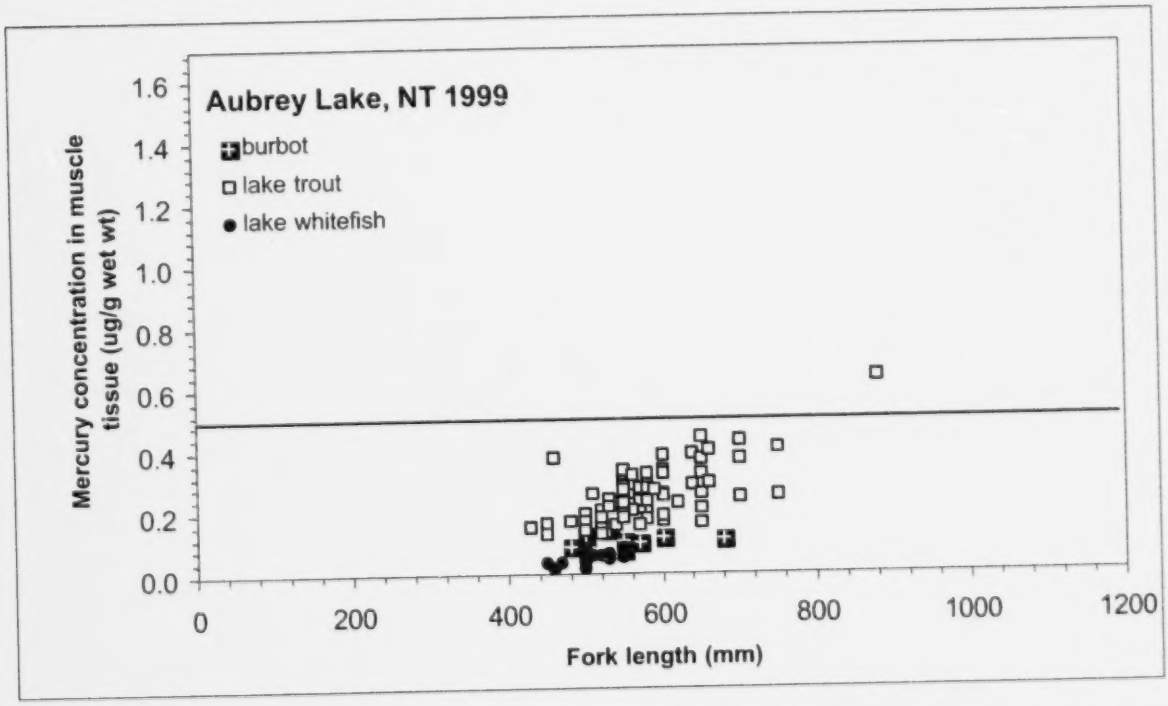

Figure 6. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Aubry Lake, NT in November and December 1999. Line indicates commercial limit (CFIA 2002).

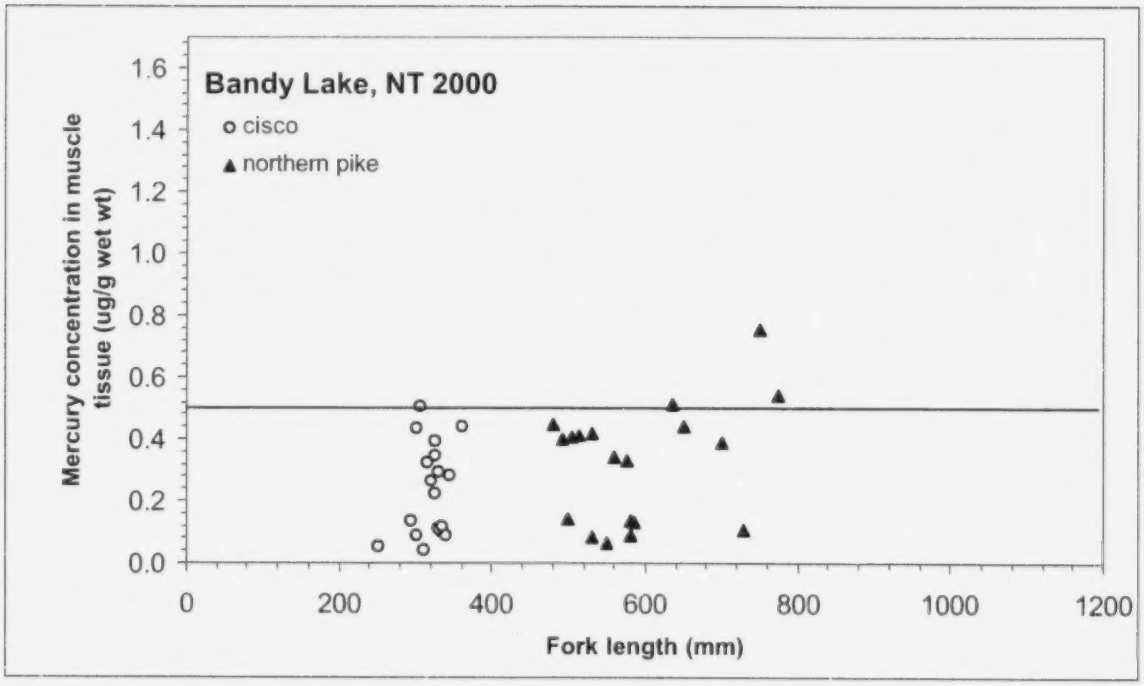

Figure 7. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Bandy Lake, NT, in March and April 2000. Line indicates commercial limit (CFIA 2002).

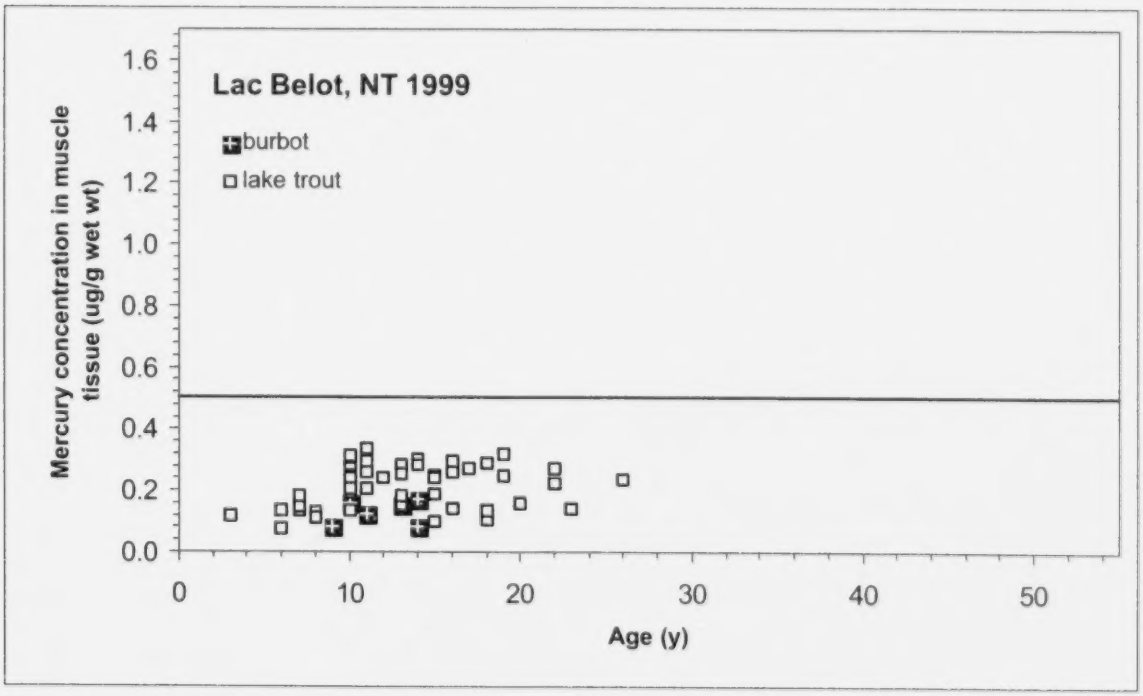

Figure 8. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Lac Belot, NT, in December 1999. Line indicates commercial limit (CFIA 2002).

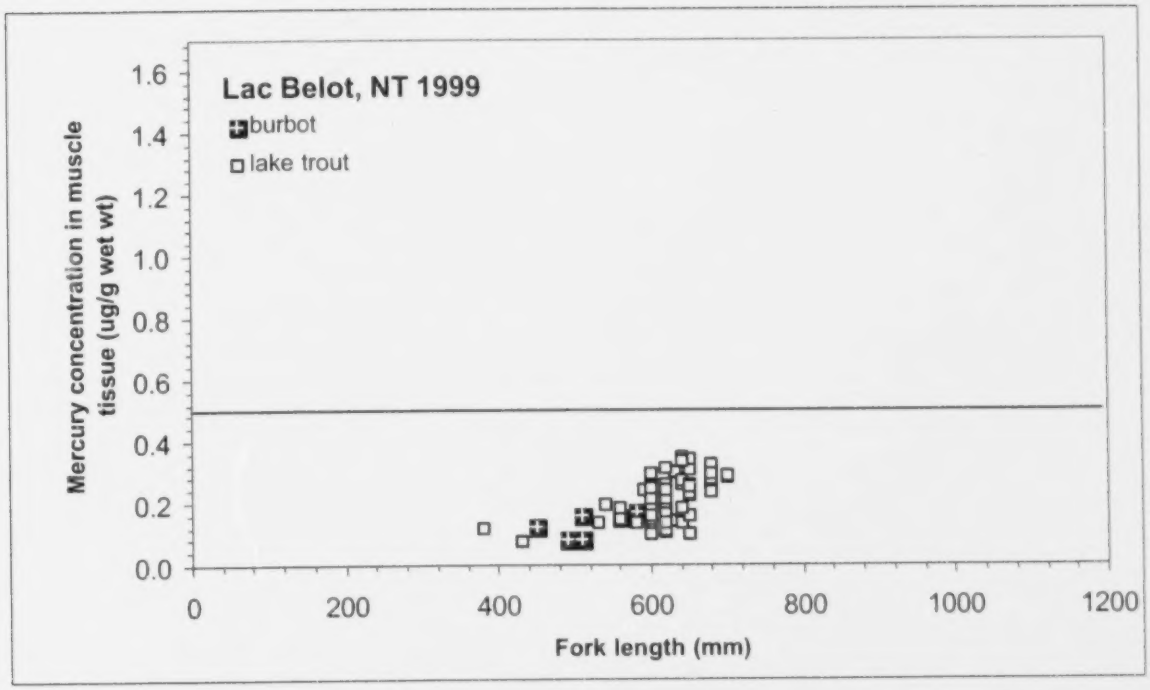

Figure 9. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Lac Belot, NT, in December 1999. Line indicates commercial limit (CFIA 2002).

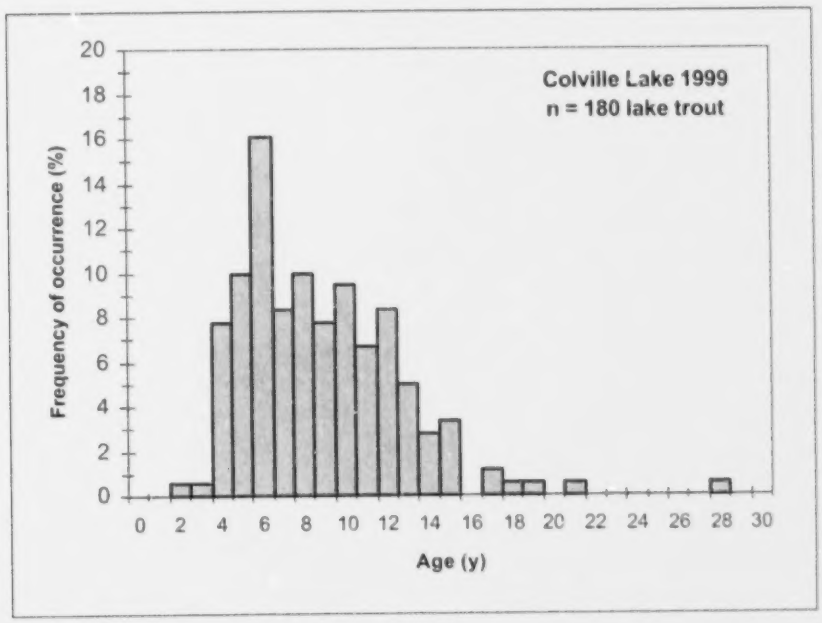

Figure 10. Age-frequency distribution of lake trout caught in gillnets (89, 114, and 140 mm mesh combined) at Colville Lake, NT, in November 1999.

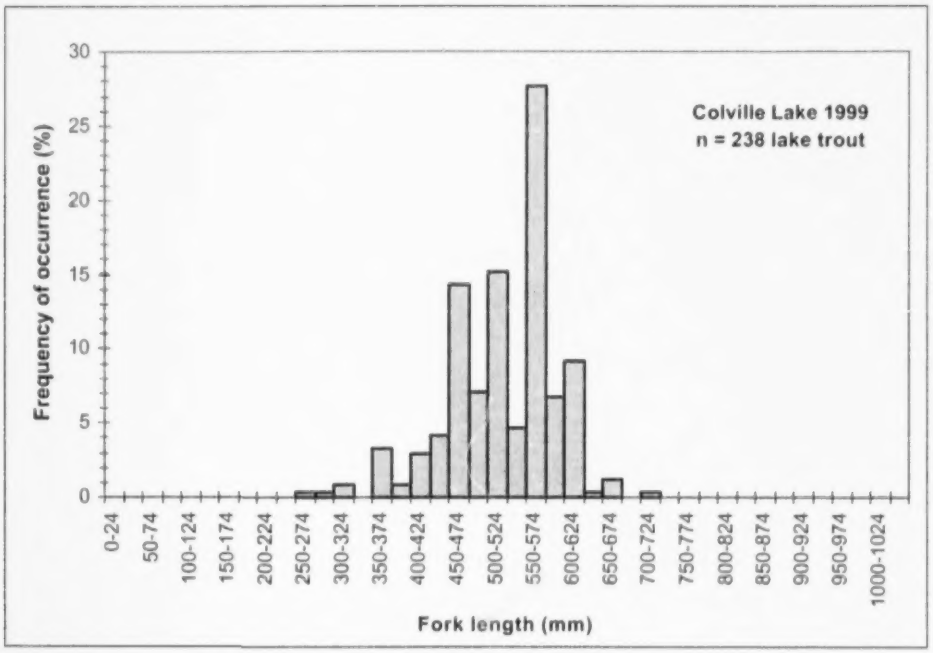

Figure 11. Length-frequency distribution of lake trout caught in gillnets (89, 114, and 140 mm mesh combined) at Colville Lake, NT, in November 1999.

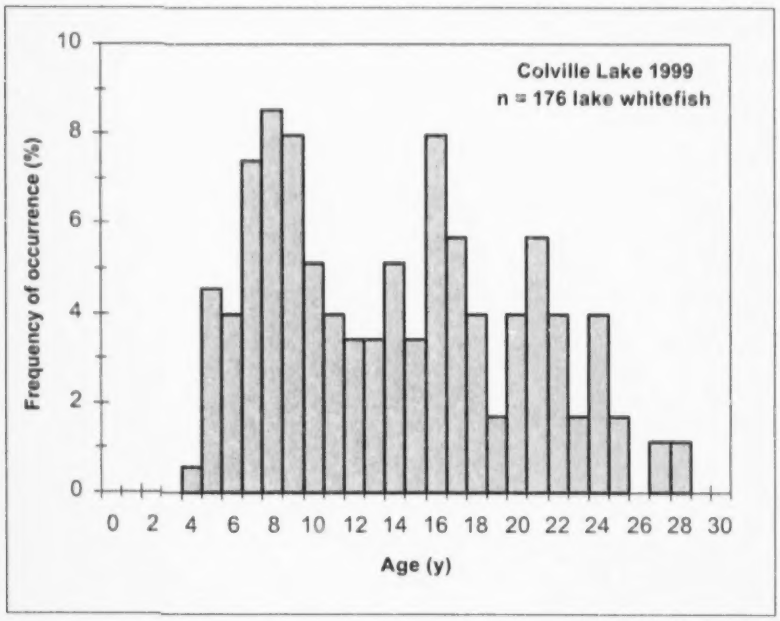

Figure 12. Age-frequency distribution of lake whitefish caught in gillnets (89, 114, and 140 mm mesh combined) at Colville Lake, NT, in November 1999.

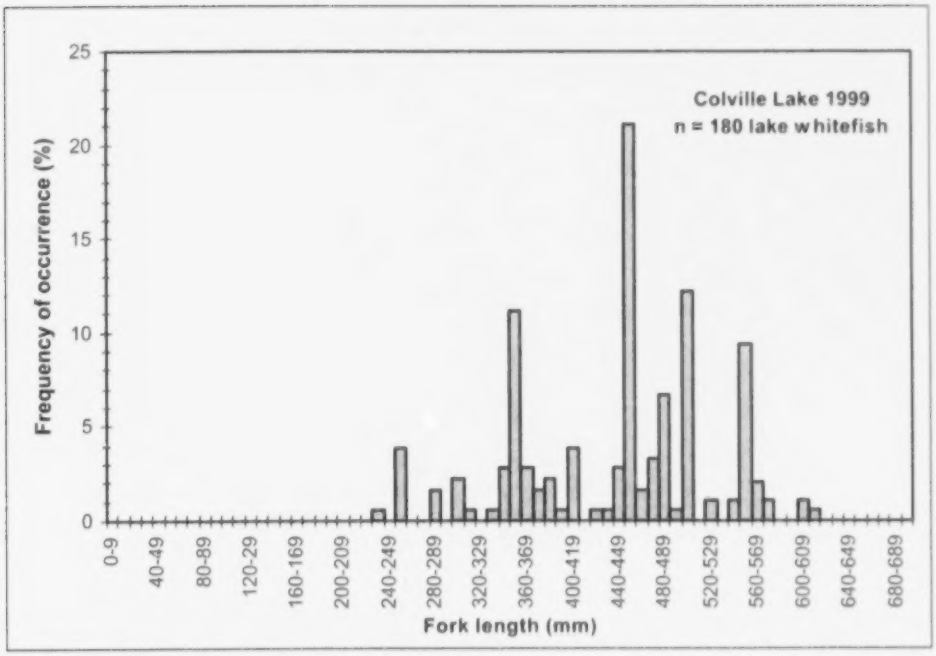

Figure 13. Length-frequency distribution of lake whitefish caught in gillnets (89, 114, and 140 mm mesh combined) at Colville Lake, NT, in November 1999.

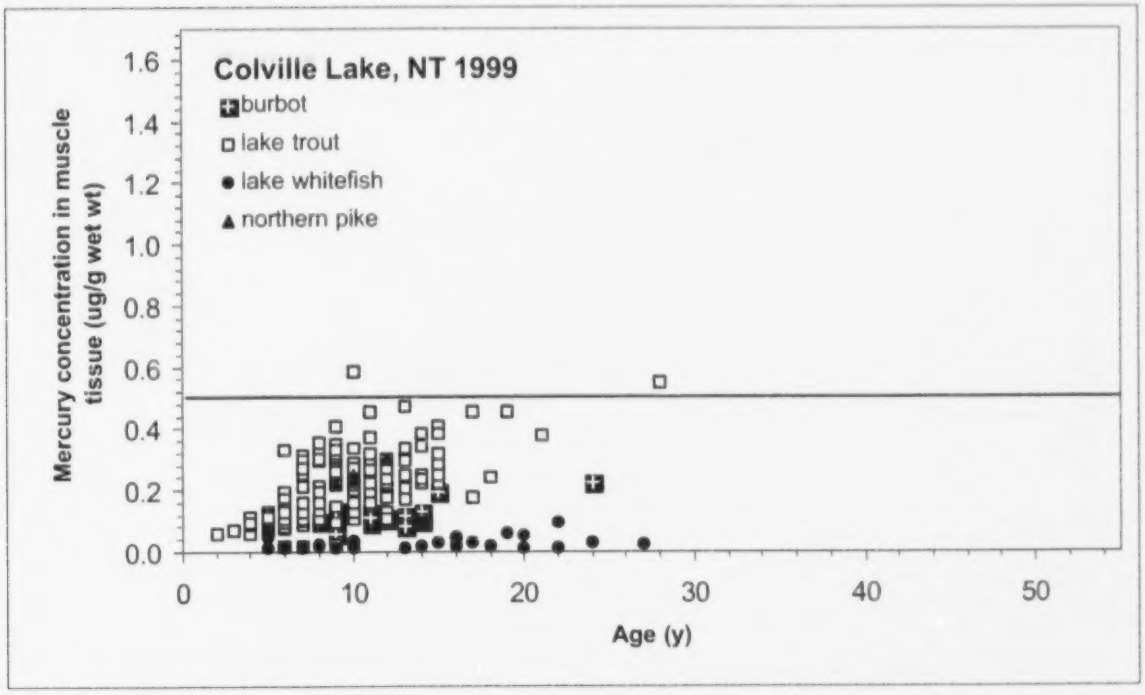

Figure 14. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Colville Lake, NT, in November 1999. Line indicates commercial limit (CFIA 2002).

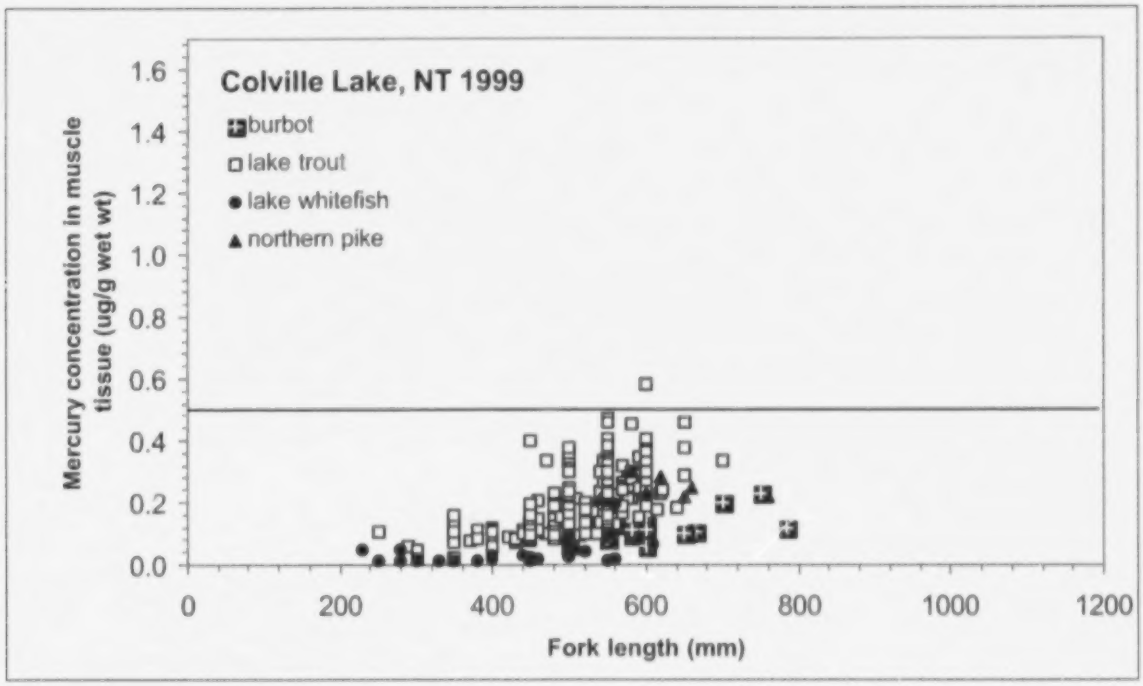

Figure 15. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Colville Lake, NT, in November 1999. Line indicates commercial limit (CFIA 2002).

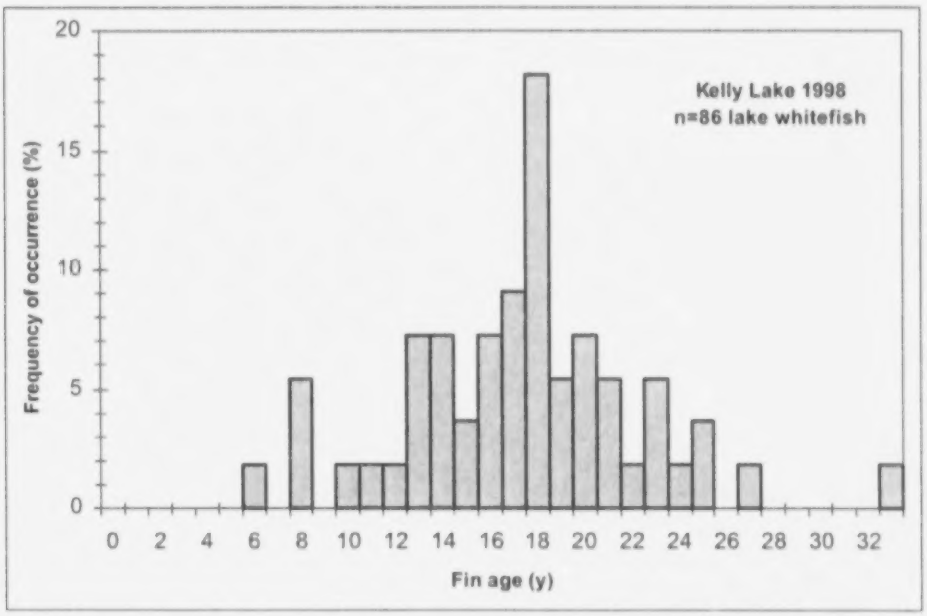

Figure 16. Age-frequency distribution of lake whitefish caught in 114 mm mesh gillnets at Kelly Lake, NT, in February and March 1988.

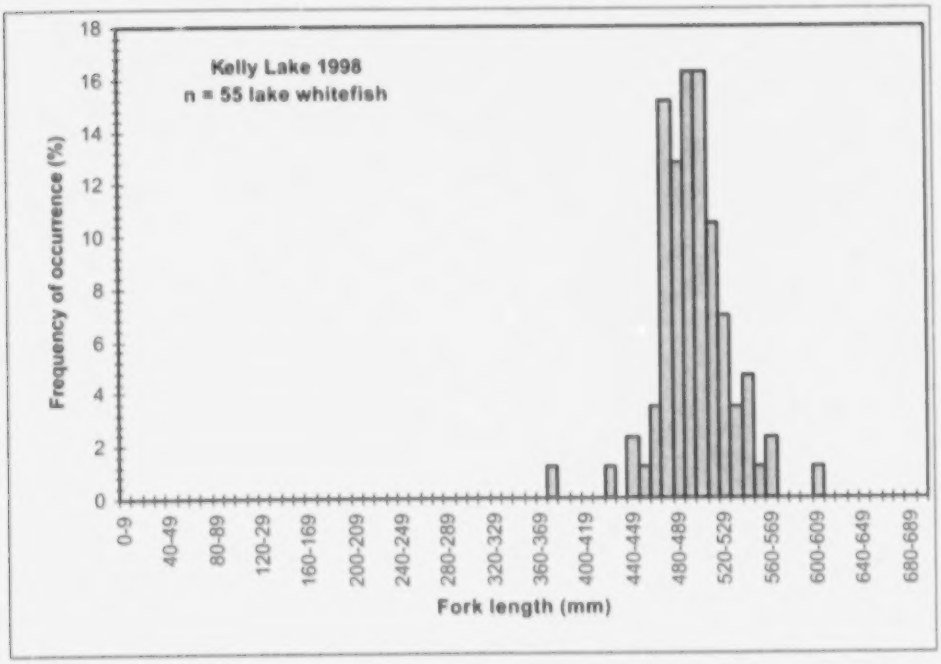

Figure 17. Length-frequency distribution of lake whitefish caught in 114 mm mesh gillnets at Kelly Lake, NT, in February and March 1988.

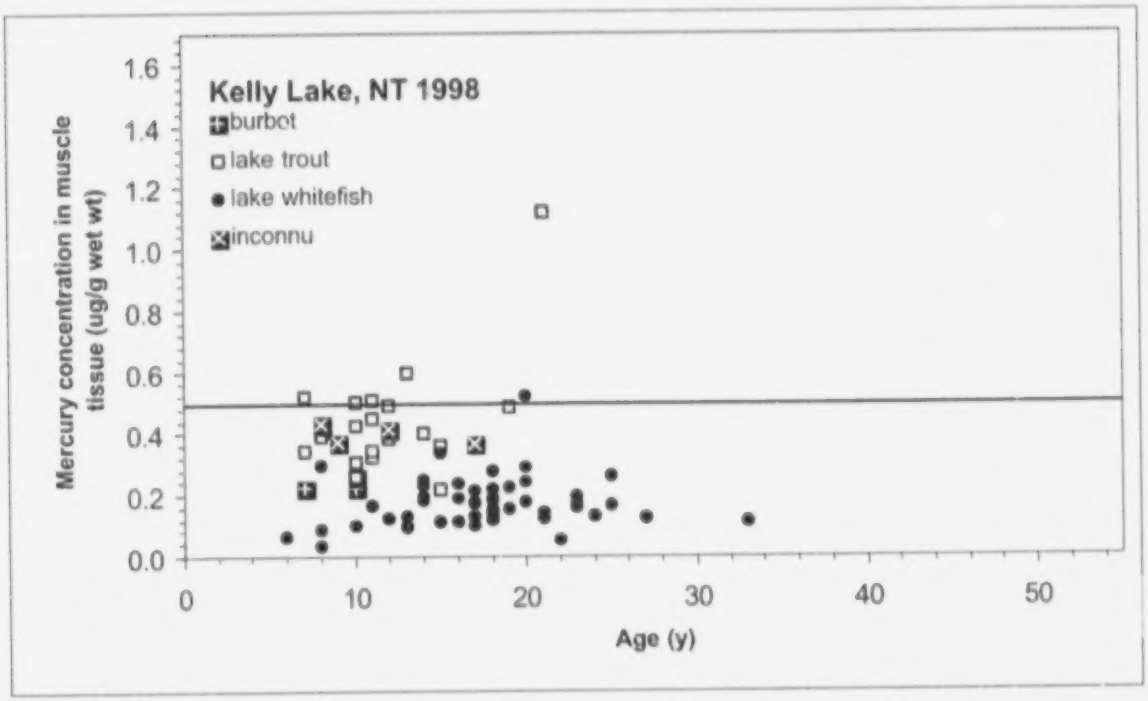

Figure 18. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Kelly Lake, NT, in February and March 1998. Line indicates commercial limit (CFIA 2002).

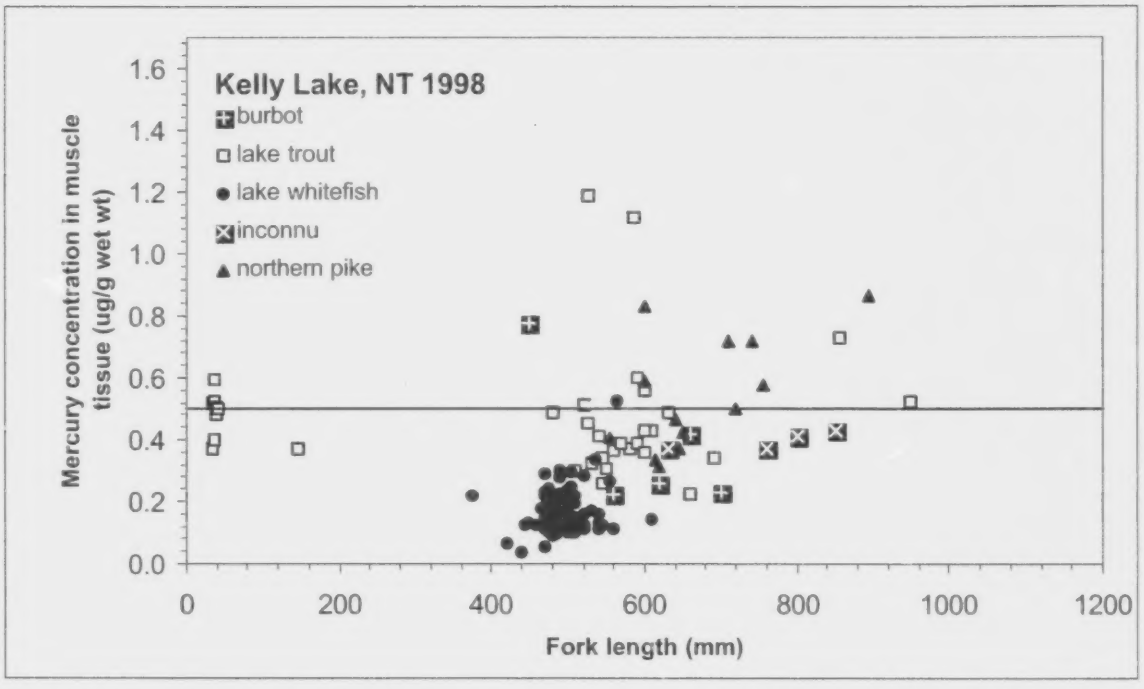

Figure 19. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Kelly Lake, NT, in February and March 1998. Line indicates commercial limit (CFIA 2002).

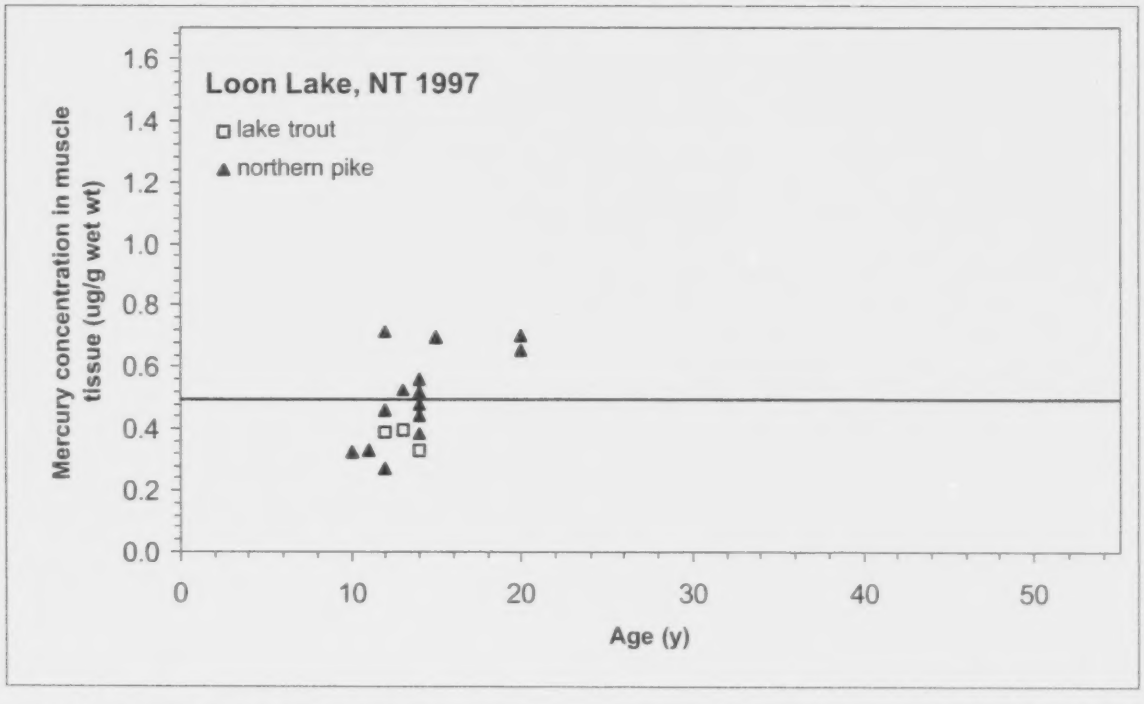

Figure 20. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Loon Lake, NT, in November 1997. Line indicates commercial limit (CFIA 2002).

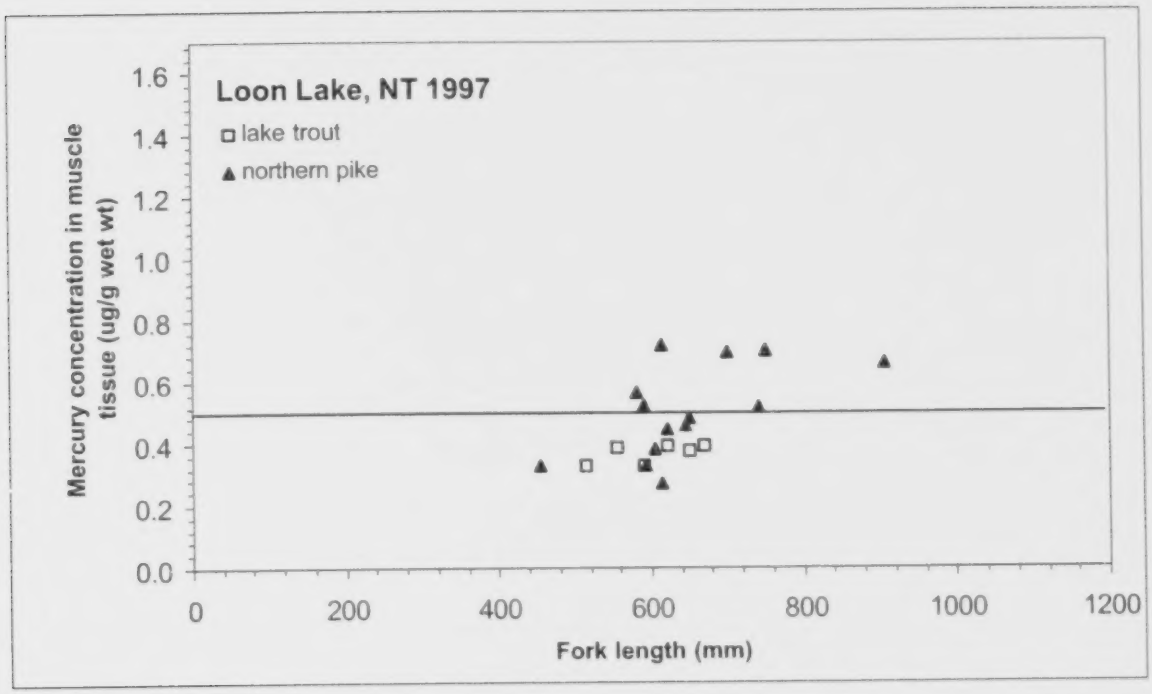

Figure 21. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Loon Lake, NT, in November 1997. Line indicates commercial limit (CFIA 2002).

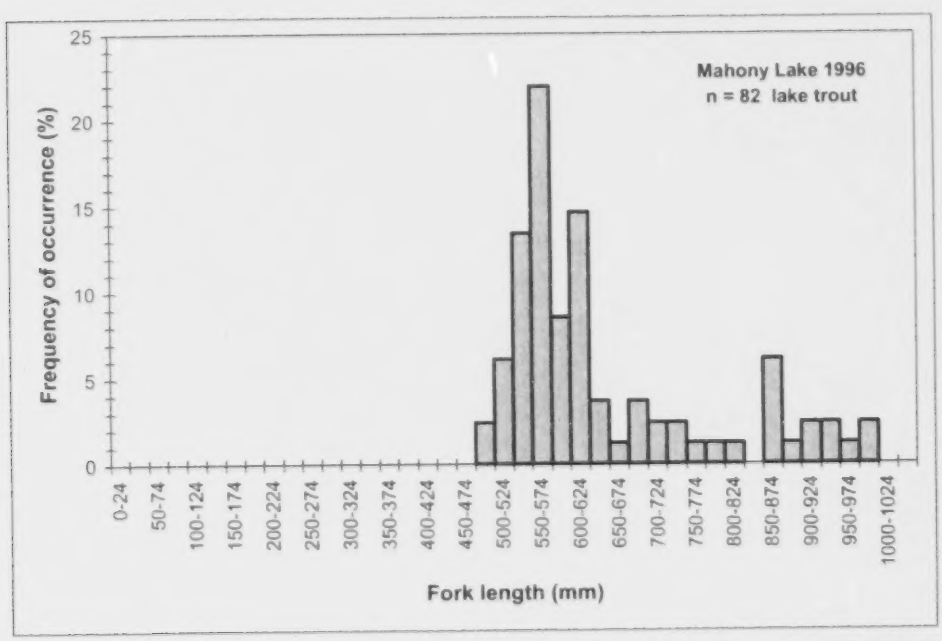

Figure 22. Length-frequency distribution of lake trout caught in 140 mm mesh gillnets at Mahony Lake, NT, in December 1996.

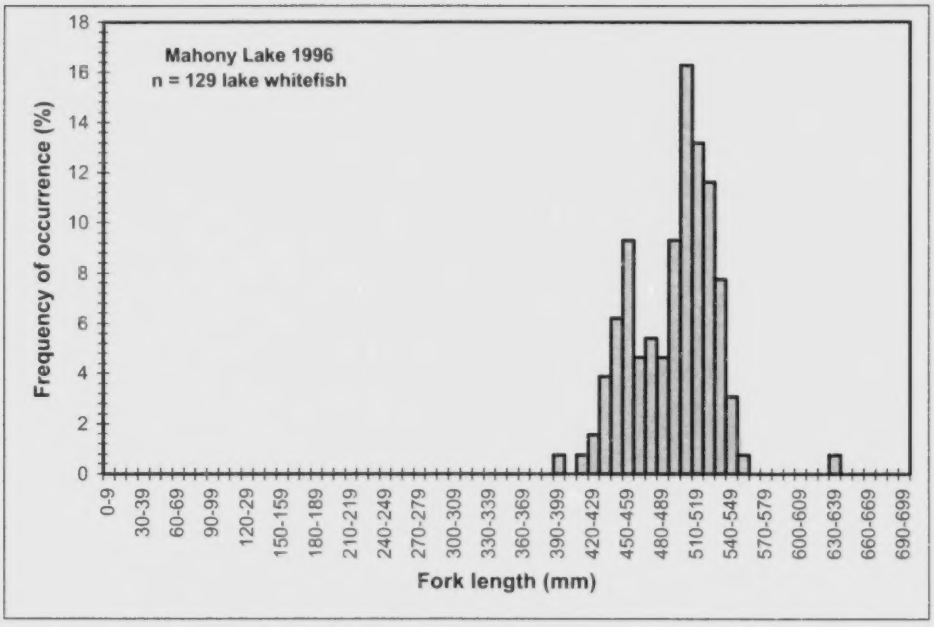

Figure 23. Length-frequency distribution of lake whitefish caught in 114 mm mesh gillnets at Mahony Lake, NT, in December 1996.

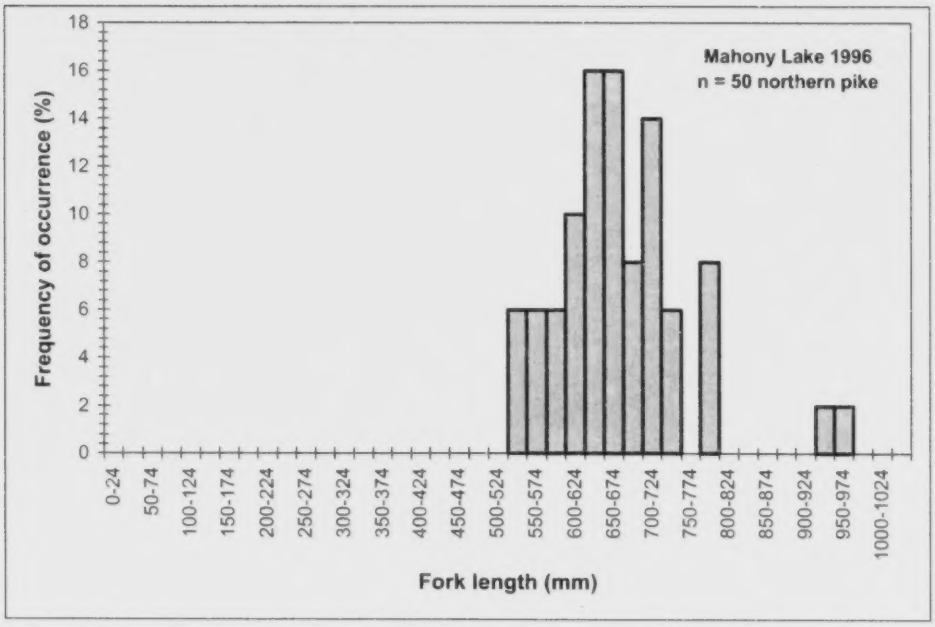

Figure 24. Length-frequency distribution of northern pike caught in 114 mm mesh gillnets at Mahony Lake, NT, in December 1996.

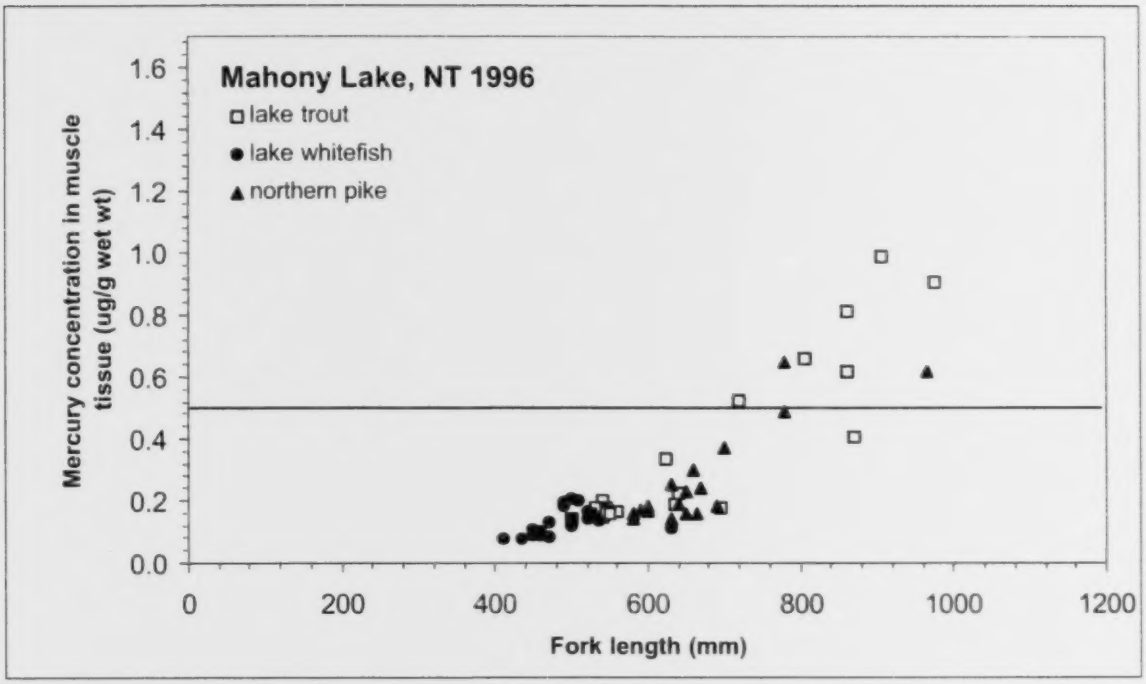

Figure 25. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Mahony Lake, NT, in December 1996. Line indicates commercial limit (CFIA 2002).

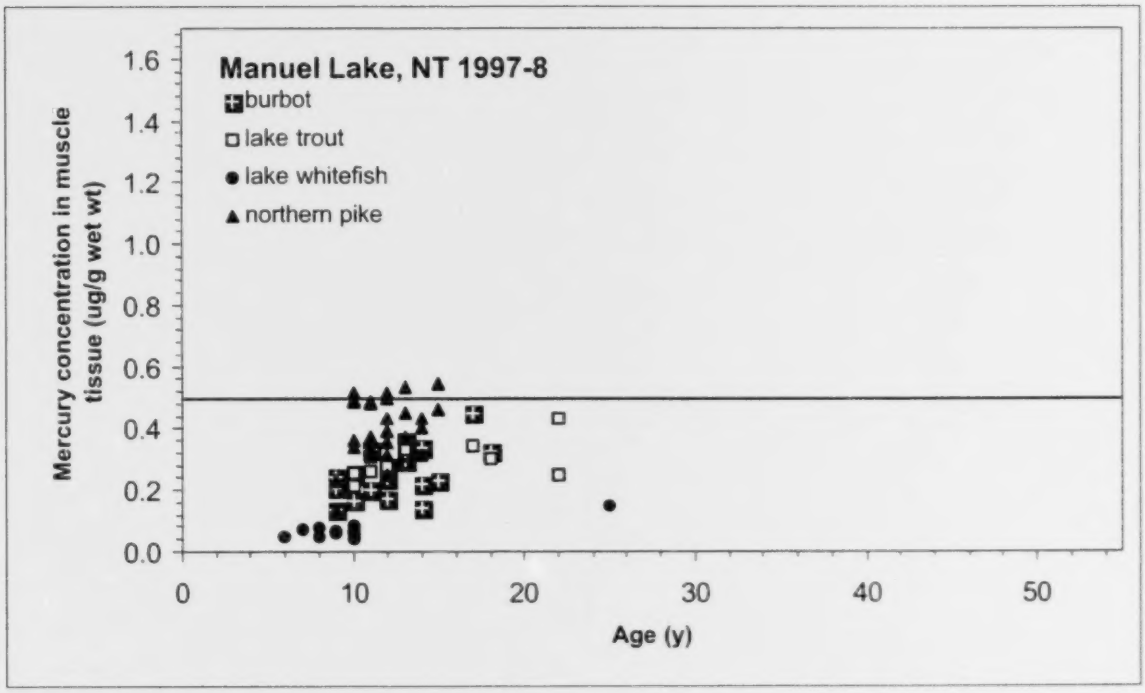

Figure 26. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Manuel Lake, NT, from November 1997 to February 1998. Line indicates commercial limit (CFIA 2002).

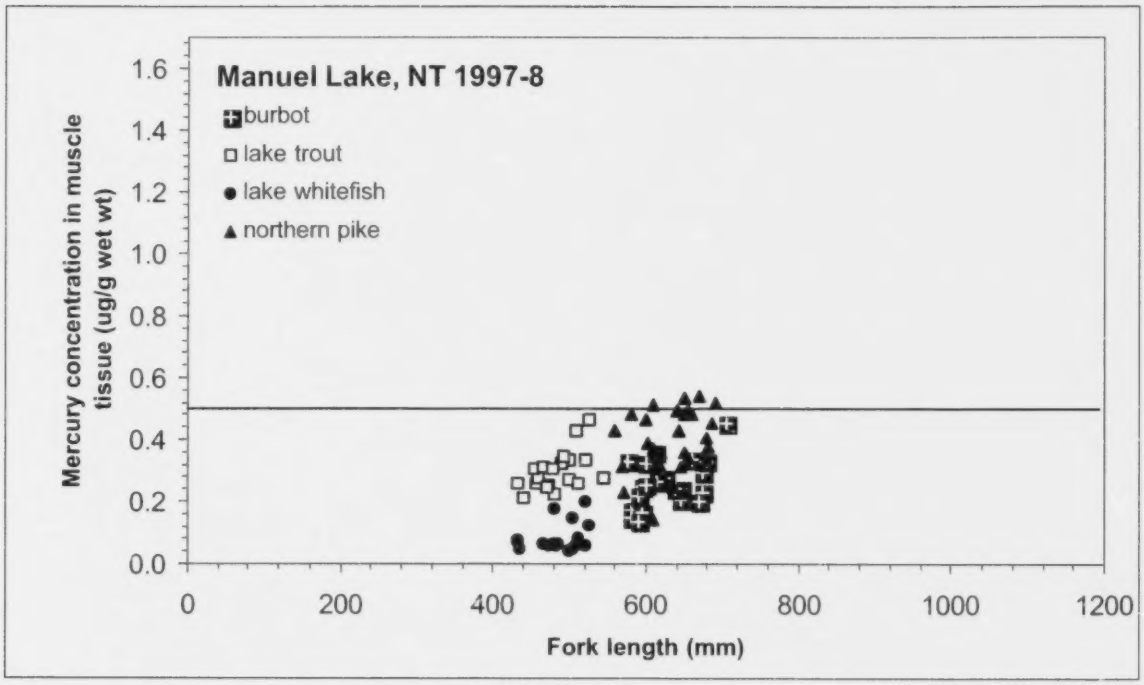

Figure 27. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Manuel Lake, NT, from November 1997 to February 1998. Line indicates commercial limit (CFIA 2002).

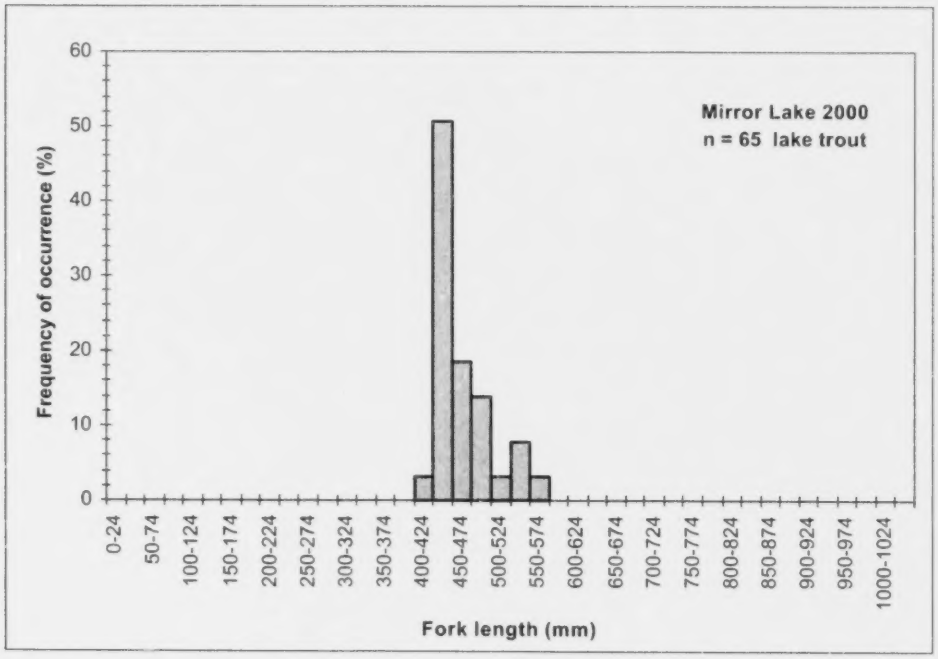

Figure 28. Length-frequency distribution of lake trout caught in gillnets (89, 114, and 140 mm mesh combined) at Mirror Lake, NT, in March 2000.

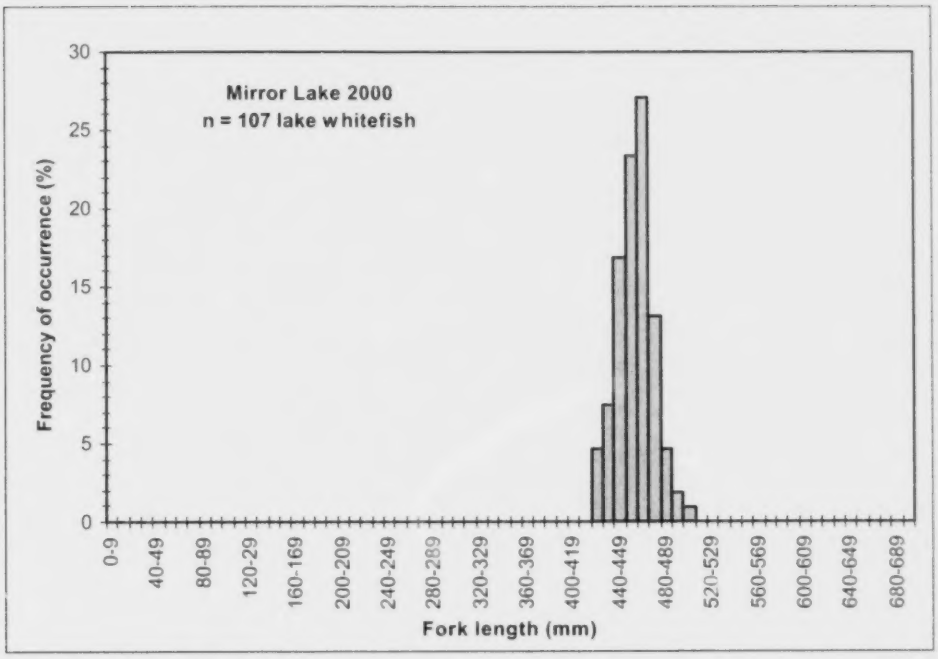

Figure 29. Length-frequency distribution of lake whitefish caught in gillnets (89, 114, and 140 mm mesh combined) at Mirror Lake, NT, in March 2000.

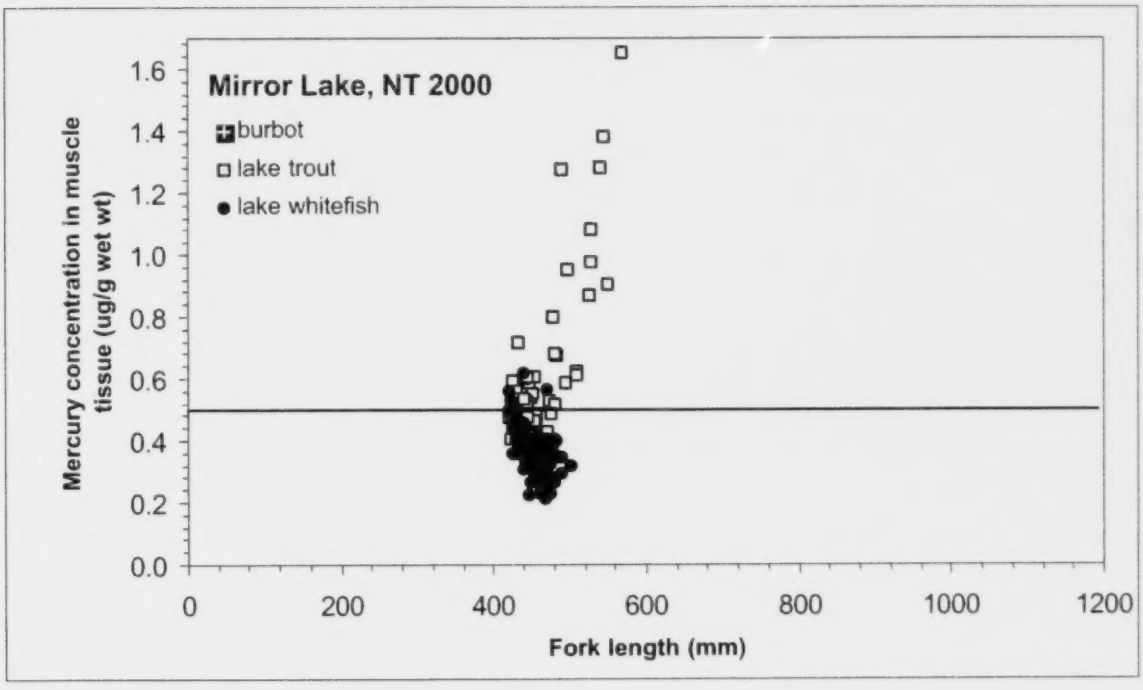

Figure 30. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Mirror Lake, NT, in March 2000. Line indicates commercial limit (CFIA 2002).

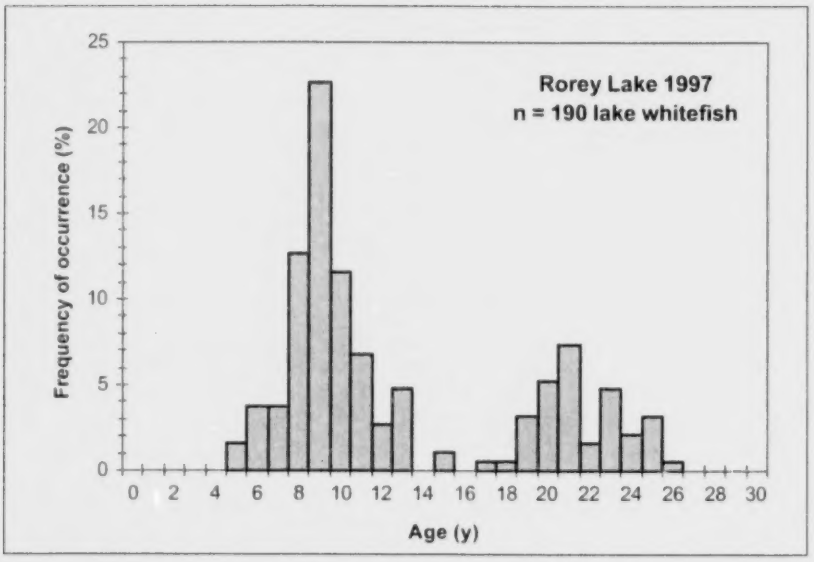

Figure 31. Age-frequency distribution of lake whitefish caught in 114 mm mesh gillnets at Rorey Lake, NT, in November 1997.

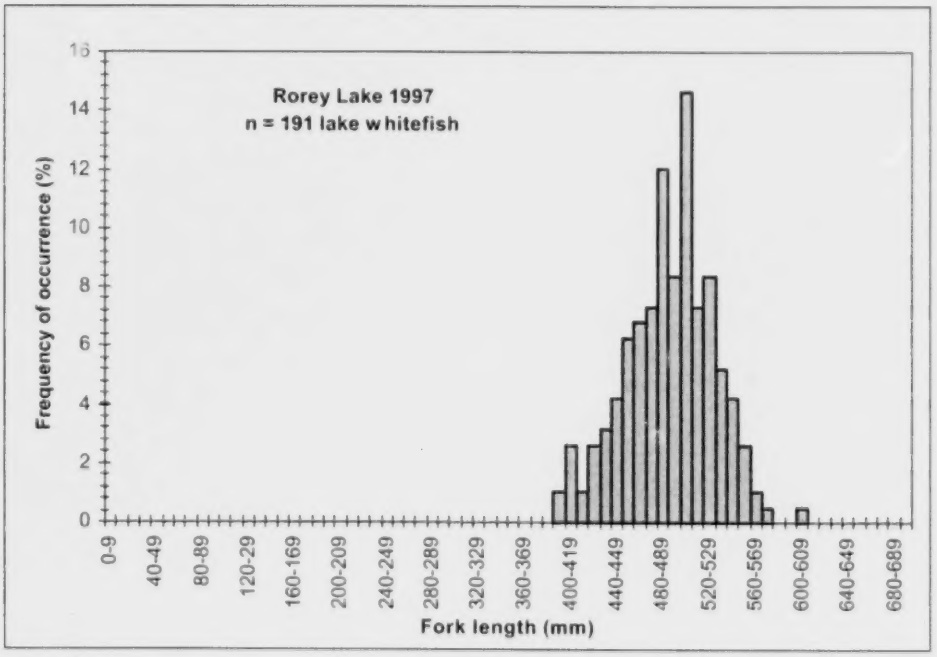

Figure 32. Length-frequency distribution of lake whitefish caught in 114 mm mesh gillnets at Rorey Lake, NT, in November 1997.

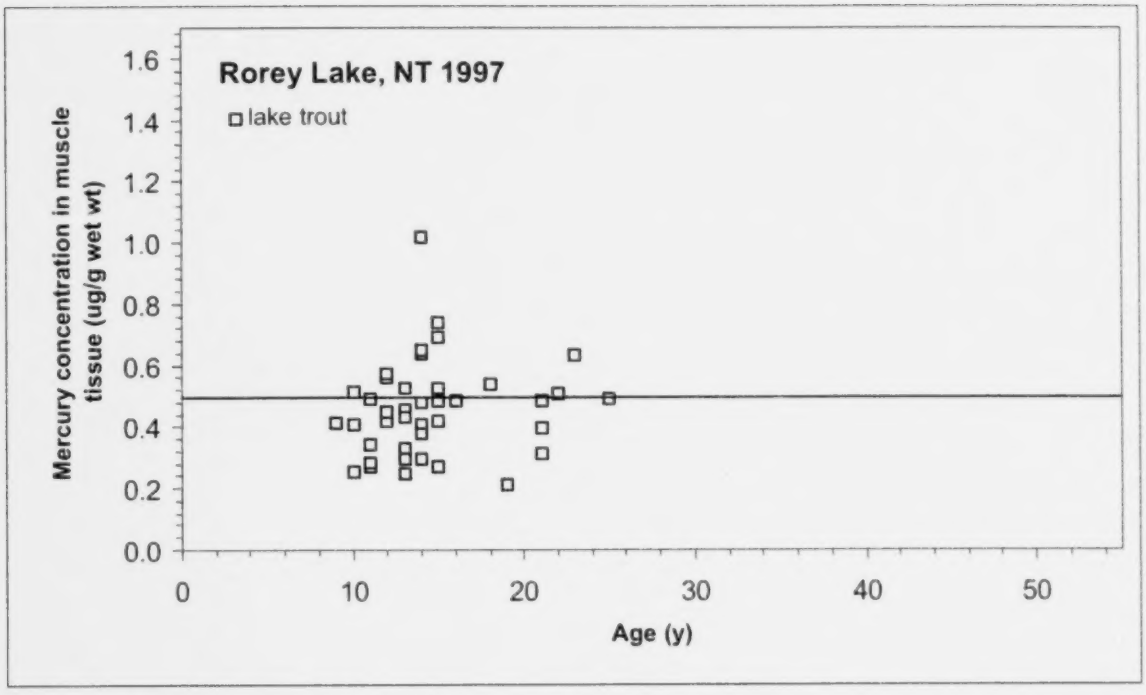

Figure 33. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Rorey Lake, NT, in November 1997. Line indicates commercial limit (CFIA 2002).

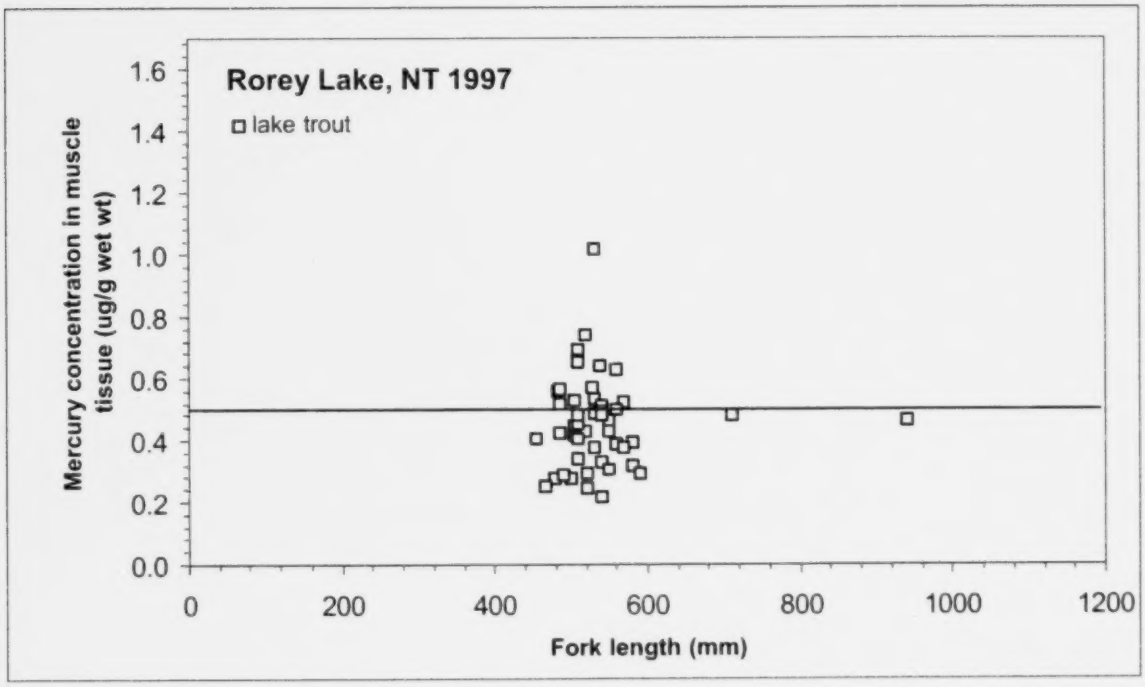

Figure 34. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Rorey Lake, NT, in November 1997. Line indicates commercial limit (CFIA 2002).

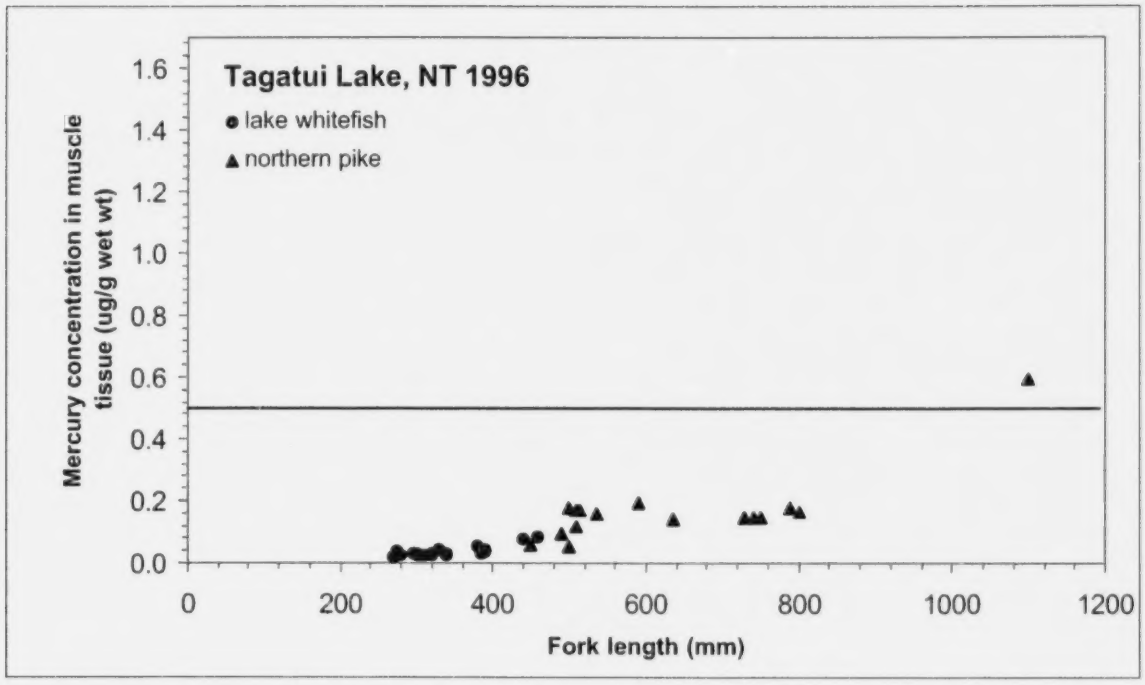

Figure 35. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Tagatui Lake, NT, in November 1996. Line indicates commercial limit (CFIA 2002).

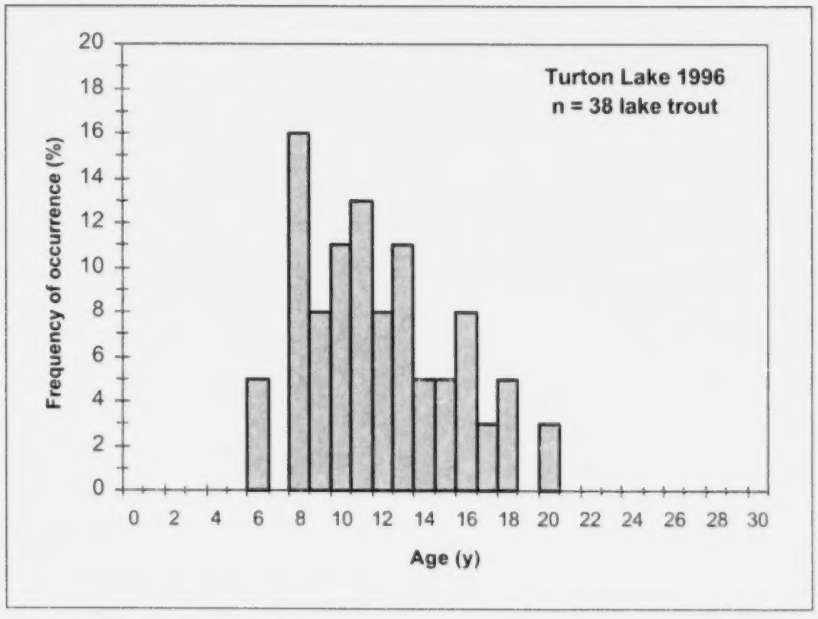

Figure 36. Age-frequency distribution of lake trout caught in 114 mm mesh gillnets at Turton Lake, NT, in March 1996.

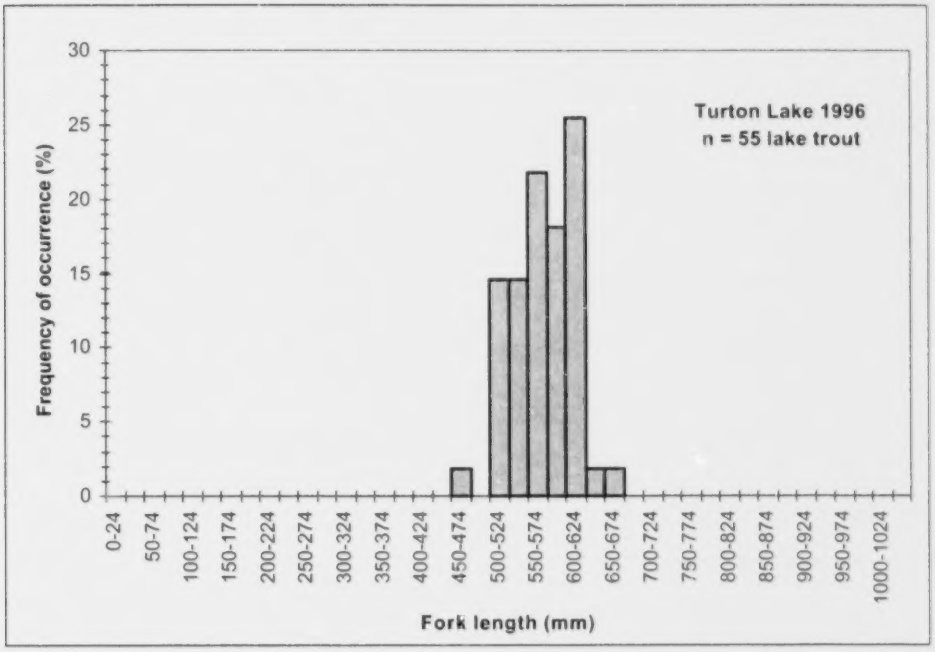

Figure 37. Length-frequency distribution of lake trout caught in 114 mm mesh gillnets at Turton Lake, NT, in March 1996.

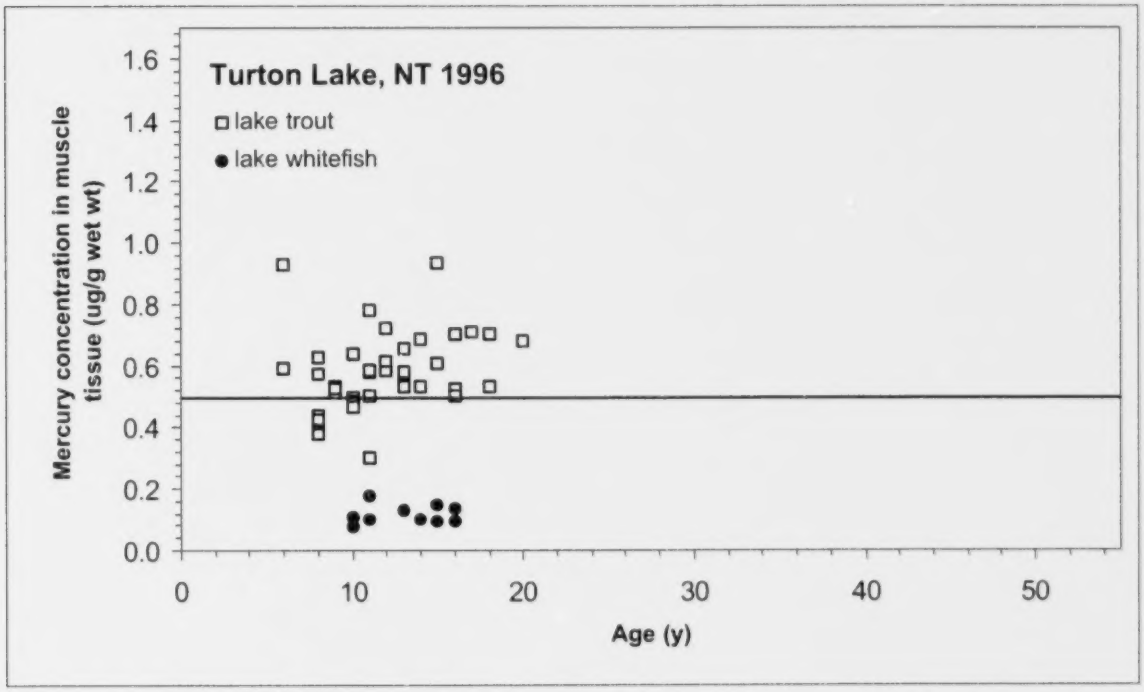

Figure 38. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Turton Lake, NT, in March 1996. Line indicates commercial limit (CFIA 2002).

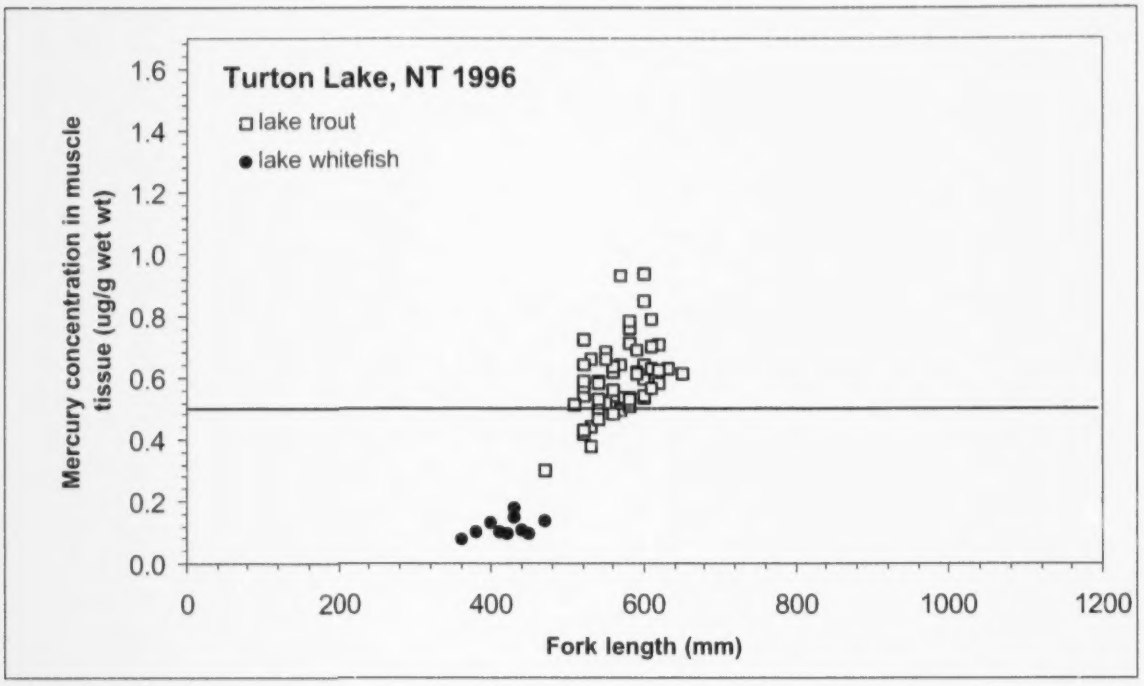

Figure 39. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Turton Lake, NT, in March 1996. Line indicates commercial limit (CFIA 2002).

Table 1. Summary, by mesh size and species, of gillnet set data from the test fishery conducted at Aubry Lake, NT, in November and December 1999.

PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)			
Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)[1]	depth (m)	burbot	lake trout	lake whitefish	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 1.83 m DEEP							
25/11/99 10:30	26/11/99 11:55	25:25	7.5		7	1	8
		(25.42)			(20170)	(1620)	(21790)
26/11/99 12:00	27/11/99 12:00	24:00			4		4
		(24.00)			(10820)		(10820)
27/11/99 12:05	28/11/99 14:10	26:05			6	2	8
		(26.08)			(11480)	(3370)	(14850)
28/11/99 14:19	29/11/99 12:04	21:45		1	6	2	9
		(21.75)		(1880)	(11110)*	(2050)*	(15040)**
29/11/99 12:10	30/11/99 12:00	23:50			2	2	4
		(23.83)			(4050)	(3420)	(7470)
30/11/99 12:05	01/12/99 11:20	23:15			3		3
		(23.25)			(5500)		(5500)
01/12/99 11:25	02/12/99 11:24	23:59			2		2
		(23.98)			(4590)		(4590)
02/12/99 11:27	03/12/99 10:43	23:16			4		4
		(23.27)			(10820)		(10820)
03/12/99 10:48	04/12/99 11:20	24:32			1		1
		(24.53)			(2290)		(2290)
TOTAL 89 MM MESH		216:07		1	35	7	43
		(216.12)		(1880)	(80830)*	(10460)*	(93170)**
114 mm MESH GILLNETS 91.4 m LONG and 1.83 m DEEP							
25/11/99 11:30	26/11/99 11:25	23:55	7.5		8		8
		(23.92)			(17630)		(17630)
26/11/99 11:30	27/11/99 11:35	24:05			6		6
		(24.08)			(14440)		(14440)
27/11/99 11:40	28/11/99 14:23	26:43			2		2
		(26.72)			(5140)		(5140)
28/11/99 14:26	29/11/99 12:15	21:49			4	1	5
		(21.82)			(6320)	(1670)	(7990)
29/11/99 12:20	30/11/99 12:11	23:51		2	1	1	4
		(23.85)		(2110)	(2850)	(1660)	(6620)
30/11/99 12:15	01/12/99 11:28	23:13		1	1		2
		(23.22)		(1520)	(3520)		(5040)
01/12/99 11:31	02/12/99 11:30	23:59		2			2
		(23.98)		(2890)			(2890)
02/12/99 11:33	03/12/99 10:50	23:17			1	1	2
		(23.28)			(2030)	(1230)	(3260)
03/12/99 10:55	04/12/99 11:35	24:40			4		4
		(24.67)			(8370)		(8370)
TOTAL 114 MM MESH		215:32		5	27	3	35
		(215.53)		(6520)	(60300)	(4560)	(71380)
140 mm MESH GILLNETS 91.4 m LONG and 1.83 m DEEP							
25/11/99 12:30	26/11/99 11:42	23:12	7.5		11	1	12
		(23.20)			(20080)*	(1410)	(21490)*
26/11/99 11:50	27/11/99 11:50	24:00		1	4	2	7
		(24.00)		(1060)	(7150)	(3060)	(11270)
27/11/99 11:55	28/11/99 14:31	26:36			7		7
		(26.60)			(18100)		(18100)
28/11/99 14:35	29/11/99 12:25	21:50			1		1
		(21.83)			(1790)		(1790)
29/11/99 12:28	30/11/99 12:20	23:52			3	1	4
		(23.87)			(6640)	(1440)	(8080)
30/11/99 12:25	01/12/99 11:35	23:10		1	4	1	6
		(23.17)		(2440)	(8680)	(2170)	(13290)
01/12/99 11:40	02/12/99 11:36	23:56			3		3
		(23.93)			(6060)		(6060)
02/12/99 11:40	03/12/99 11:00	23:20			1		1
		(23.33)			(3600)		(3600)
03/12/99 11:05	04/12/99 11:40	24:35			2		2
		(24.58)			(3990)		(3990)
TOTAL 140 MM MESH		214:31		2	36	5	43
		(214.52)		(3500)	(76090)	(8080)	(87670)*
TOTAL ALL MESHES COMBINED		646:10		8	98	15	121
		(646.17)		(11900)	(217220)**	(23100)*	(252220)***

* Each asterisk indicates one missing weight value. [1] Wetted time is shown in hr:min (e.g. 25:25) and in hr (25.42), for ease of calculation.

Table 2. Summary, by mesh size and species, of gillnet set data from the test fishery conducted at Bandy Lake, NT in March and April 2000.

PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)		
Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	cisco sp.	northern pike	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP						
28/03/00 17:30	29/03/00 14:45	21:15	11.0		3	3
		(21.25)			(2590)	(2590)
29/03/00 14:30	30/03/00 11:00	20:30	11.0		2	2
		(20.50)			(3520)	(3520)
30/03/00 11:15	31/03/00 14:00	26:45	11.0	1	2	3
		(26.75)		(460)	(2150)	(2610)
30/03/00 17:00	31/03/00 11:00	18:00	6.0-8.0	5	2	7
		(18.00)		(2080)	(6150)	(8230)
31/03/00 12:00	01/04/00 17:50	29:50	6.0-8.0	2	4	6
		(29.83)		(850)	(5620)	(6470)
31/03/00 14:30	01/04/00 15:30	25:00	11.0	2		2
		(25.00)		(810)		(810)
01/04/00 13:00	02/04/00 13:00	24:00	6.0-8.0			0
		(24.00)				(0)
01/04/00 15:40	02/04/00 16:00	24:20	11.0	1	1	2
		(24.33)		(490)	(1500)	(1990)
02/04/00 13:15	03/04/00 11:15	22:00	6.0-8.0	7	4	11
		(22.00)		(3180)	(4930)	(8110)
02/04/00 14:00	03/04/00 10:30	20:30	11.0		1	1
		(20.50)			(1000)	(1000)
TOTAL 89 MM MESH		232:10		18	19	37
		(232.17)		(7870)	(27460)	(35330)
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP						
28/03/00 19:00	29/03/00 14:45	19:45	9.0-11.0			0
		(19.75)				(0)
29/03/00 14:50	30/03/00 11:25	20:35	9.0-11.0			0
		(20.58)				(0)
30/03/00 11:30	31/03/00 15:00	27:30	9.0-11.0		1	1
		(27.50)			(4400)	(4400)
30/03/00 18:15	31/03/00 12:00	17:45	5.5-8.0			0
		(17.75)				(0)
31/03/00 13:00	01/04/00 18:30	29:30	5.5-8.0			0
		(29.50)				(0)
31/03/00 15:30	01/04/00 12:50	21:20	9.0-11.0			0
		(21.33)				(0)
01/04/00 13:30	02/04/00 13:30	24:00	5.5-8.0		2	2
		(24.00)			(4580)	(4580)
01/04/00 16:20	02/04/00 16:30	24:10	9.0-11.0			0
		(24.17)				(0)
02/04/00 14:45	03/04/00 11:30	20:45	5.5-8.0			0
		(20.75)				(0)
02/04/00 15:00	03/04/00 10:45	19:45	9.0-11.0			0
		(19.75)				(0)
TOTAL 114 MM MESH		225:05		0	3	3
		(225.08)		(0)	(8980)	(8980)
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP						
28/03/00 21:00	29/03/00 15:00	18:00	9.0			0
		(18.00)				(0)
29/03/00 15:15	30/03/00 11:45	20:30	9.0			0
		(20.50)				(0)
30/03/00 11:55	31/03/00 15:30	27:35	9.0			0
		(27.58)				(0)
30/03/00 13:00	31/03/00 13:00	24:00	5.5-11.0			0
		(24.00)				(0)
31/03/00 13:30	01/04/00 19:10	29:40	5.5-11.0			0
		(29.67)				(0)
31/03/00 16:00	01/04/00 16:30	24:30	9.0			0
		(24.50)				(0)
01/04/00 14:00	02/04/00 14:00	24:00	5.5-11.0	1		1
		(24.00)		(180)		(180)
01/04/00 16:45	02/04/00 17:00	24:15	9.0			0
		(24.25)				(0)
02/04/00 15:15	03/04/00 11:45	20:30	5.5-11.0			0
		(20.50)				(0)
02/04/00 17:00	03/04/00 11:00	18:00	9.0			0
		(18.00)				(0)
TOTAL 140 MM MESH		231:00		1	0	1
		(231.00)		(180)	(0)	(180)
TOTAL ALL MESHES COMBINED		688:15		19	22	41
		(688.25)		(8050)	(36440)	(44490)

Table 3. Summary, by mesh size and species, of gillnet set data from the test fishery conducted at Lac Belot, NT, in December 1999.

PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)		
Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	burbot	lake trout	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 1.83 m DEEP						
06/12/99 11:00	07/12/99 12:10	25:10	16.5	2	4	6
		(25.17)		(2090)	(11170)	(13260)
89 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP						
07/12/99 12:15	08/12/99 11:17	23:02	16.5		3	3
		(23.03)			(8630)	(8630)
08/12/99 11:22	09/12/99 11:15	23:53	16.5	1		1
		(23.88)		(960)		(960)
09/12/99 11:25	10/12/99 10:00	22:35	16.5		1	1
		(22.58)			(2660)	(2660)
09/12/99 10:15	10/12/99 10:43	24:28	16.5			0
		(24.47)				(0)
11/12/99 10:47	12/12/99 10:55	24:08	16.5		2	2
		(24.13)			(1610)	(1610)
12/12/99 11:00	13/12/99 10:55	23:55	16.5			0
		(23.92)				(0)
13/12/99 11:00	14/12/99 11:05	24:05	16.5		1	1
		(24.08)			(2880)	(2880)
14/12/99 11:10	15/12/99 10:40	23:30	16.5		1	1
		(23.50)			(2870)	(2870)
TOTAL 89 MM MESH		214:46		3	12	15
		(214.77)		(3050)	(29820)	(32870)
114 mm MESH GILLNETS 91.4 m LONG and 1.83 m DEEP						
06/12/99 12:10	07/12/99 12:00	23:50	16.5	1	3	4
		(23.83)		(1630)	(8490)	(10120)
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP						
07/12/99 12:05	08/12/99 11:05	23:00	16.5	1	9	10
		(23.00)		(1750)	(27920)	(29670)
08/12/99 11:10	09/12/99 11:03	23:53	16.5	1	3	4
		(23.88)		*	(10260)	(10260)*
09/12/99 11:08	10/12/99 10:25	23:17	16.5		2	2
		(23.28)			(5800)	(5800)
10/12/99 10:30	11/12/99 10:33	24:03	16.5		2	2
		(24.05)			(6300)	(6300)
11/12/99 10:36	12/12/99 11:05	24:29	16.5	1	4	5
		(24.48)		*	(12350)	(12350)*
12/12/99 11:15	13/12/99 11:08	23:51	16.5		2	2
		(23.85)			(6250)	(6250)
13/12/99 11:10	14/12/99 10:55	23:45	16.5		6	6
		(23.75)			(17630)	(17630)
14/12/99 11:00	15/12/99 10:45	23:45	16.5		2	2
		(23.75)			(5950)	(5950)
TOTAL 114 MM MESH		213:53		4	33	37
		(213.88)		(3380)**	(100950)	(104330)**
140 mm MESH GILLNETS 91.4 m LONG and 1.83 m DEEP						
06/12/99 13:35	07/12/99 12:20	22:45	16.5	1	3	4
		(22.75)		(1170)	(8840)	(10010)
07/12/99 12:25	08/12/99 10:55	22:30	16.5		1	1
		(22.50)			(2870)	(2870)
09/12/99 10:50	10/12/99 10:35	23:45	16.5		2	2
		(23.75)			(6660)	(6660)
10/12/99 10:40	11/12/99 10:22	23:42	16.5			0
		(23.70)				(0)
11/12/99 10:26	12/12/99 11:20	24:54	16.5		1	1
		(24.90)			(3120)	(3120)
12/12/99 11:25	13/12/99 11:18	23:53	16.5		1	1
		(23.88)			(3940)	(3940)
13/12/99 11:21	14/12/99 10:47	23:26	16.5		1	1
		(23.43)			(2510)	(2510)
14/12/99 10:55	15/12/99 13:05	26:10	16.5			0
		(26.17)				(0)
TOTAL 140 MM MESH		191:05		1	9	10
		(191.08)		(1170)	(27940)	(29110)
TOTAL ALL MESHES COMBINED		619:44		8	54	62
		(619.73)		(7600)**	(158710)	(166310)**

* Each asterisk indicates one missing weight.

Table 4. Summary, by mesh size and species, of gillnet set data from the test fishery conducted at Colville Lake, NT, in November 1999.

PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)				
Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	burbot	lake trout	lake whitefish	northern pike	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 1.83 m DEEP								
11/11/99 12:00	12/11/99 11:10	23:10	2.0	2	16	1	2	21
		(23.17)		(2640)	(28450)	(3270)	(4700)	(39060)
13/11/99 13:25	14/11/99 10:00	20:35	3.5		7	32		39
		(20.58)			(5380)			
14/11/99 10:15	15/11/99 10:00	23:45	3.5		8	34		42
		(23.75)			(6180)			
15/11/99 10:10	16/11/99 9:50	23:40	3.5		8	24		32
		(23.67)			(9560)			
16/11/99 10:00	17/11/99 10:00	24:00	3.5		3	14		17
		(24.00)			(6380)			
17/11/99 10:08	18/11/99 10:00	23:52	3.5		4	16		20
		(23.87)			(6750)			
18/11/99 10:05	19/11/99 9:50	23:45	3.5		9	21		30
		(23.75)			(10050)			
19/11/99 10:00	20/11/99 9:40	23:40	3.5		12	11		23
		(23.67)						
TOTAL 89 MM MESH		186:27		2	67	153	2	224
		(186.45)		(2640)			(4700)	
114 mm MESH GILLNETS 91.4 m LONG and 1.83 m DEEP								
11/11/99 12:30	12/11/99 10:20	21:50	2.5	2	16	6		24
		(21.83)		(3440)	(27390)	(9260)		(40090)
12/11/99 10:35	13/11/99 11:15	24:40	2.5	1	14	3	2	20
		(24.67)		(1550)		(660)	(3320)	
13/11/99 14:30	14/11/99 10:25	19:55	6.0	1	35	11	1	48
		(19.92)		(1390)			(1740)	
14/11/99 10:40	15/11/99 10:27	23:47	3.5		13	8		21
		(23.78)				(11820)		
15/11/99 10:35	16/11/99 10:12	23:37	3.5	1	28	15		44
		(23.62)		(1220)				
16/11/99 10:26	17/11/99 10:40	24:14	3.5	1	29	8	1	39
		(24.23)		(1380)		(11820)	(2880)	
17/11/99 10:50	18/11/99 10:23	23:33	3.5	2	21	5		28
		(23.55)		(2960)		(6630)		
18/11/99 10:30	19/11/99 10:14	23:44	3.5	2	17	2		21
		(23.73)		(2750)		(2640)		
19/11/99 10:25	20/11/99 10:00	23:35	3.5		12	6		18
		(23.58)						
TOTAL 114 MM MESH		187:05		10	185	64	4	263
		(187.08)		(14690)			(7940)	
140 mm MESH GILLNETS 91.4 m LONG and 1.83 m DEEP								
11/11/99 14:35	12/11/99 13:35	23:00	6.0	2	24	6	1	33
		(23.00)		(5190)			(3320)	
12/11/99 13:50	13/11/99 10:35	20:45	6.0		19	8	1	28
		(20.75)				(12850)	(2590)	
13/11/99 10:45	14/11/99 10:50	24:05	6.0	1	21	10		32
		(24.08)		(2120)		(15550)		
14/11/99 11:05	15/11/99 10:45	23:40	3.5		12	8		20
		(23.67)				(12610)		
15/11/99 10:50	16/11/99 10:35	23:45	3.5	1	15	8		24
		(23.75)		(2120)		(9840)		
16/11/99 10:45	17/11/99 11:00	24:15	3.5	1	12	9		22
		(24.25)		(2450)		(12600)		
17/11/99 11:05	18/11/99 10:36	23:31	3.5		18	5		23
		(23.52)				(7640)		
18/11/99 10:45	19/11/99 10:28	23:43	3.5		12	14		26
		(23.72)						
19/11/99 10:35	20/11/99 10:15	23:40	3.5	3	13	4		20
		(23.67)		(7980)		(3710)		
TOTAL 140 MM MESH		187:24		8	146	72	2	228
		(187.40)		(19860)			(5910)	
TOTAL ALL MESHES COMBINED		605:46		20	398	289	8	715
		(605.77)		(37190)			(18550)	

*NOTE: Many catches were subsampled. Weight data are included only where all of the fish were weighed.

Table 5. Summary, by mesh size and species, of gillnet set data from the test fishery conducted at Kelly Lake, NT in February 1998.

PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT					
Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	burbot	inconnu	lake trout	lake whitefish	northern pike	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 1.83 m DEEP									
26/02/98 11:55	27/02/98 10:35	22:40 (22.67)	3.0-5.5			2	1		3
27/02/98 11:00	28/02/98 10:45	23:45 (23.75)					2		2
28/02/98 11:00	01/03/98 11:30	24:30 (24.50)				1	2		3
TOTAL 89 MM MESH		70:55 (70.92)		0	0	3	5	0	8
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP									
20/02/98 15:00	21/02/98 9:55	18:55 (18.92)	7.5-8.5	1	1	5	17	3	27
21/02/98 10:15	22/02/98 11:00	24:45 (24.75)				4	9	1	14
22/02/98 11:30	23/02/98 10:00	22:30 (22.50)				1	9		10
23/02/98 10:20	24/02/98 10:40	24:20 (24.33)				4	7	1	12
24/02/98 11:05	25/02/98 11:15	24:10 (24.17)		1		2	3	2	8
25/02/98 11:45	26/02/98 10:40	22:55 (22.92)				3	3	1	7
26/02/98 11:00	27/02/98 10:00	23:00 (23.00)				1	8		9
27/02/98 10:20	28/02/98 10:00	23:40 (23.67)		1		2	1		4
28/02/98 10:20	01/03/98 11:00	24:40 (24.67)			1	3	7	3	14
TOTAL 114 MM MESH		208:55 (208.92)		3	2	25	64	11	105
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP									
21/02/98 15:45	22/02/98 10:00	18:15 (18.25)	3.0-9.0		1	1	2	1	5
22/02/98 10:20	23/02/98 10:30	24:10 (24.17)			1		2	1	4
23/02/98 10:45	24/02/98 10:15	23:30 (23.50)				1	4		5
24/02/98 10:40	25/02/98 10:55	24:15 (24.25)		1		1	2		4
25/02/98 11:05	26/02/98 11:15	24:10 (24.17)		1					1
TOTAL 140 MM MESH		114:20 (114.33)		2	2	3	10	2	19
TOTAL ALL MESHES COMBINED		394:10 (394.17)		5		31	79	13	128

Table 6. Summary, by mesh size and species, of gillnet set data from the test fishery conducted at Loon Lake, NT, in November 1997.

SITE	PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT*					
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	lake trout	lake whitefish	longnose sucker	northern pike	yellow walleye	TOTAL
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP										
1	18/11/97 17:00	19/11/97 10:20	17:20 (17.33)	9	1	1			2	4
	19/11/97 10:35	20/11/97 11:00	24:25 (24.42)			1	1	1	3	6
	20/11/97 11:15	21/11/97 11:10	23:55 (23.92)			5		3	2	10
	21/11/97 11:10	22/11/97 14:20	27:10 (27.17)		1	4		1	2	8
2	19/11/97 12:50	20/11/97 10:30	21:40 (21.67)	8		4		1	1	6
	20/11/97 10:50	21/11/97 11:40	24:50 (24.83)		3	9		1	3	16
	21/11/97 11:55	22/11/97 11:30	23:35 (23.58)		1	9			1	11
3	24/11/97 13:15	25/11/97 10:30	21:15 (21.25)	6		6		2	2	10
	25/11/97 10:45	26/11/97 11:00	24:15 (24.25)		1	7				8
	26/11/97 11:15	27/11/97 11:30	24:15 (24.25)			6			2	8
4	24/11/97 15:30	25/11/97 10:50	19:20 (19.33)	8		4		3	1	8
	25/11/97 11:00	26/11/97 11:25	24:25 (24.42)			8		1	1	10
	26/11/97 11:35	27/11/97 11:05	23:30 (23.50)			4		1	1	6
TOTAL 114 MM MESH			299:55 (299.92)		7	68	1	14	21	111

* Weight data are not presented as few fish were weighed.

Table 7. Summary, by mesh size and species, of gillnet set data from the test fishery conducted at Mahony Lake, NT, in December 1996.

PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)			
Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	lake trout	lake whitefish	northern pike	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP							
04/12/96 15:30	05/12/96 16:00	24:30	6.5	8	3		11
		(24.50)		(45380)**	(4030)		(49410)
05/12/96 16:30	06/12/96 14:30	22:00	6.5	2	1		3
		(22.00)		(5540)	(1490)		(7030)
06/12/96 14:45	07/12/96 13:23	22:38	6.5	6	1		7
		(22.63)		(20550)**	(1880)		(22430)
07/12/96 13:35	08/12/96 11:30	21:55	6.5	2			2
		(21.92)		(12960)**			(12960)
08/12/96 11:40	09/12/96 10:30	22:50	6.5	4	1		5
		(22.83)		(8870)	(*)		(8870)
TOTAL 89 MM MESH		113:53		22	6	0	28
		(113.88)		(93300)	(7400)	(0)	(100700)
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP							
05/12/96 10:00	05/12/96 22:45	12:45	4.0	6	35	13	54
		(12.75)		(16860)	(52360)*	(31900)	(101120)
05/12/96 23:25	06/12/96 20:00	20:35	4.0	8	48	16	72
		(20.58)		(22560)	(75600)*	(51250)	(149410)
06/12/96 20:45	07/12/96 16:30	19:45	4.0	4	14	3	21
		(19.75)		(8910)	(18920)	(6160)	(33990)
07/12/96 17:00	08/12/96 19:35	26:35	4.0	3	17	7	27
		(26.58)		(18730)**	(25020)	(18280)	(62030)
08/12/96 19:55	09/12/96 11:15	15:20	4.0	2	9	11	22
		(15.33)		(6910)	(13980)	(31200)	(52090)
TOTAL 114 MM MESH		95:00		23	123	50	196
		(95.00)		(73970)	(185880)	(138790)	(398640)
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP							
04/12/96 13:55	05/12/96 16:40	26:45	4.0-10.5	14			14
		(26.75)		(57950)**			(57950)
05/12/96 17:05	06/12/96 14:10	21:05	4.0-10.5	7	1		8
		(21.08)		(18560)	(1580)		(20140)
06/12/96 14:25	07/12/96 13:05	22:40	4.0-10.5	5	1		6
		(22.67)		(19230)	(1370)		(20600)
07/12/96 13:15	08/12/96 11:00	21:45	4.0-10.5	4	1		5
		(21.75)		(7930)	(960)		(8890)
08/12/96 11:20	09/12/96 10:40	23:20	4.0-10.5	7			7
		(23.33)		(27290)			(27290)
TOTAL 140 MM MESH		115:35		37	3	0	40
		(115.58)		(130960)	(3910)	(0)	(134870)
TOTAL ALL MESHES COMBINED		324:28		82	132	50	264
		(324.47)		(298230)	(197190)	(138790)	(634210)

* One lake whitefish was not weighed.

** Lake trout >10 kg were caught. These fish were too heavy for the scale and were recorded as >10 kg. Weight totals are underestimates as they were calculated using 10 kg for the weights of these larger fish.

Table 8. Summary, by mesh size and species, of gillnet set data from the test fishery conducted at Mirror Lake, NT, in March 2000.

PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT			
Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	burbot	lake trout	lake whitefish	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP							
16/03/00 18:30	17/03/00 16:30	22:00 (22.00)	7.5-9.5		4	10	14
17/03/00 17:00	18/03/00 14:15	21:15 (21.25)			1	6	7
18/03/00 14:25	19/03/00 12:25	22:00 (22.00)			1	10	11
19/03/00 12:40	20/03/00 10:25	21:45 (21.75)				7	7
20/03/00 10:35	21/03/00 13:00	26:25 (26.42)			4	9	13
21/03/00 13:15	22/03/00 9:30	20:15 (20.25)				5	5
19/03/00 17:00	20/03/00 11:15	18:15 (18.25)	9.0-17.5		5	6	11
20/03/00 11:25	21/03/00 14:20	26:55 (26.92)		1	4	3	8
21/03/00 14:30	22/03/00 10:25	19:55 (19.92)			2	1	3
TOTAL 89 MM MESH		198:45 (198.75)		1	21	57	79
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP							
16/03/00 19:15	17/03/00 17:15	22:00 (22.00)	9.5-13.5		6	9	15
17/03/00 17:45	18/03/00 14:30	20:45 (20.75)				3	3
18/03/00 14:40	19/03/00 12:45	22:05 (22.08)				4	4
19/03/00 12:55	20/03/00 10:40	21:45 (21.75)			1	3	4
20/03/00 10:50	21/03/00 13:20	26:30 (26.50)			2	1	3
21/03/00 13:40	22/03/00 9:45	20:05 (20.08)			1	3	4
19/03/00 17:30	20/03/00 11:30	18:00 (18.00)	17.5-24.0		13	2	15
20/03/00 11:40	21/03/00 14:50	27:10 (27.17)			8	1	9
21/03/00 15:00	22/03/00 10:45	19:45 (19.75)			4	2	6
TOTAL 114 MM MESH		198:05 (198.08)		0	35	28	63
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP							
16/03/00 20:00	17/03/00 18:00	22:00 (22.00)	13.5-15.0		1	4	5
17/03/00 18:40	18/03/00 14:45	20:05 (20.08)			1	5	6
18/03/00 14:50	19/03/00 12:53	22:03 (22.05)			1	3	4
19/03/00 13:00	20/03/00 10:55	21:55 (21.92)					0
20/03/00 11:00	21/03/00 13:55	26:55 (26.92)			1	4	5
21/03/00 14:00	22/03/00 10:00	20:00 (20.00)				2	2
19/03/00 18:00	20/03/00 11:45	17:45 (17.75)	24.0-29.0		4	1	5
20/03/00 12:00	21/03/00 15:20	27:20 (27.33)			3	1	4
21/03/00 15:30	22/03/00 11:00	19:30 (19.50)					0
TOTAL 140 MM MESH		197:33 (197.55)		0	11	20	31
TOTAL ALL MESHES COMBINED		594:23 (594.38)		1	67	105	173

Table 9. Summary, by mesh size and species, of gillnet set data from the test fishery conducted at Rorey Lake, NT, in November 1997.

PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)			
Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	lake trout	lake whitefish	yellow walleye	TOTAL
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP							
20/11/97 17:30	21/11/97 11:00	17:30	9.0	9	26	7	42
		(17.50)		(12200)	(29200)	(12200)	(53600)
21/11/97 11:30	22/11/97 9:45	22:15		6	26	4	36
		(22.25)		(9220)	(39100)	(6880)	(55200)
22/11/97 10:15	23/11/97 10:00	23:45		6	29	5	40
		(23.75)		(11800)	(43180)	(9520)	(64500)
23/11/97 10:50	24/11/97 10:20	23:30		3	29	2	34
		(23.50)		(4660)	(46100)*	(2400)	(53160)*
24/11/97 10:50	25/11/97 11:00	24:10		5	25	1	31
		(24.17)		(13740)	(33740)	(2720)	(50200)
25/11/97 11:40	26/11/97 9:50	22:10		6	10	1	17
		(22.17)		(7880)*	(13960)	(1600)	(23440)*
26/11/97 10:10	27/11/97 10:20	24:10		5	16	1	22
		(24.17)		(7120)	(23460)	(2640)	(33220)
27/11/97 14:50	28/11/97 10:45	19:55		4	20		24
		(19.92)		(7460)	(32480)		(39940)
28/11/97 11:10	29/11/97 9:10	22:00		5	10		15
		(22.00)		(15780)	(17100)		(32880)
TOTAL 114 MM MESH		199:25		49	191	21	261
		(199.42)		(89860)*	(278320)*	(37960)	(406140)**

*One missing weight value.

**Two missing weight values.

Table 10. Summary, by mesh size and species, of gillnet set data from the test fishery conducted at Tagatui Lake , NT, in November and December 1996.

PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT		
Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	lake whitefish	northern pike	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP						
26/11/96 14:15	27/11/96 14:15	24:00 (24.00)	4.5-7.5	8	1	9
27/11/96 14:30	28/11/96 10:15	19:45 (19.75)		2		2
28/11/96 10:30	29/11/96 11:40	25:10 (25.17)		1		1
29/11/96 12:00	30/11/96 12:00	24:00 (24.00)		1		1
30/11/96 12:10	01/12/96 12:10	24:00 (24.00)		2		2
15/12/96 11:55	16/12/96 12:40	24:45 (24.75)	na	9	1	10
16/12/96 12:55	17/12/96 13:40	24:45 (24.75)				0
17/12/96 13:55	18/12/96 13:10	23:15 (23.25)		11	3	14
18/12/96 13:30	19/12/96 11:45	22:15 (22.25)		4	2	6
TOTAL 89 MM MESH		211:55 (211.92)		38	7	45
114 mm MESH GILLNETS 45.7 m LONG and 1.83 m DEEP						
27/11/96 12:35	28/11/96 11:05	22:30 (22.50)	3.5-4.5			0
28/11/96 11:20	29/11/96 12:45	25:25 (25.42)			1	1
29/11/96 12:53	30/11/96 12:35	23:42 (23.70)				0
30/11/96 12:45	01/12/96 13:20	24:35 (24.58)		1	1	2
TOTAL 114 MM MESH (45.7 m long)		96:12 (96.20)		1	2	3
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP						
15/12/96 13:00	16/12/96 13:15	24:15 (24.25)	na	1	2	3
16/12/96 13:15	17/12/96 14:00	24:45 (24.75)		1		1
17/12/96 14:15	18/12/96 13:40	23:25 (23.42)		1	2	3
18/12/96 13:55	19/12/96 12:05	22:10 (22.17)		1		1
TOTAL 114 MM MESH (91.4 m long)		94:35 (94.58)		4	4	8
140 mm MESH GILLNETS 91.4 m LONG and 1.83 m DEEP						
27/11/96 11:45	28/11/96 10:50	23:05 (23.08)	3.5-4.5	1	1	2
28/11/96 11:00	29/11/96 12:26	25:26 (25.43)		2	1	3
29/11/96 12:39	30/11/96 12:15	23:36 (23.60)		1		1
30/11/96 12:25	01/12/96 12:55	24:30 (24.50)		2	1	3
TOTAL 140 MM MESH (1.83 m deep)		96:37 (96.62)		6	3	9
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP						
15/12/96 14:00	16/12/96 12:15	22:15 (22.25)	na	1		1
16/12/96 12:30	17/12/96 14:20	25:50 (25.83)				0
17/12/96 14:30	18/12/96 14:05	23:35 (23.58)				0
18/12/96 14:15	19/12/96 12:30	22:15 (22.25)				0
TOTAL 140 MM MESH (3.66 m deep)		93:55 (93.92)		1	0	1
TOTAL ALL MESHES COMBINED		593:14 (593.23)		50	16	66

Table 11. Summary, by mesh size and species, of gillnet set data from the test fishery conducted at Turton Lake, NT, in March 1996.

PERIOD AND DURATION OF GILLNET SET			Water depth (m)	Number of fish caught		
Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)		lake trout	lake whitefish	TOTAL
114 mm MESH GILLNETS 91.4 m LONG and 1.83 m DEEP						
12/03/96 14:15	12/03/96 18:30	4:15 (4.25)	11.0	4		4
12/03/96 19:00	13/03/96 10:15	15:15 (15.25)		10	2	12
13/03/96 10:45	13/03/96 18:15	7:30 (7.50)		7		7
13/03/96 18:45	14/03/96 10:45	16:00 (16.00)		6	5	11
14/03/96 11:15	14/03/96 19:00	7:45 (7.75)		7		7
14/03/96 19:30	15/03/96 10:30	15:00 (15.00)		3	1	4
15/03/96 11:00	15/03/96 17:30	6:30 (6.50)		3		3
15/03/96 18:00	16/03/96 11:00	17:00 (17.00)		8	4	12
16/03/96 11:30	17/03/96 12:15	24:45 (24.75)		3	1	4
17/03/96 12:45	18/03/96 8:15	19:30 (19.50)		3		3
15/03/96 8:45	16/03/96 11:50	27:05 (27.08)	6.0	2		2
16/03/96 12:20	17/03/96 13:00	24:40 (24.67)		2		2
17/03/96 13:30	18/03/96 8:45	19:15 (19.25)		1		1
TOTAL 114 MM MESH		204:30 (204.50)		59	13	72

*No weights, due to missing values, and no clear separation between nets set on the same day. The field workers used their domestic nets rather than those provided by DFO.

Table 12. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit (100 m of gillnet set for 24 h)* of sampling effort (CPUE) at Aubery Lake, NT, November and December 1999.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h* (CPUE in kg of fish/100 m of gillnet set 24 h)											
	burbot			lake trout			lake whitefish			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89 mm	0-1.21	0.13	0.40	1.07-7.24	4.25	2.25	0-2.41	0.85	1.08	1.07-10.87	5.24	3.18
	(0-2.27)	(0.25)	(0.76)	(2.45-20.84)	(9.78**)	(5.77)	(0-3.77)	(1.26**)	(1.60)	(2.45-22.51)	(11.29**)	(6.52)
114 mm	0-2.20	0.61	0.97	0-8.78	3.30	2.97	0-1.20	0.38	0.57	1.97-8.78	4.30	2.41
	(0-3.16)	(0.80)	(1.26)	(2.29-19.36)	(8.26)	(6.22)	(0-2.01)	(0.58)	(0.89)	(3.16-19.36)	(8.72)	(5.53)
140 mm	0-1.13	0.25	0.49	1.13-12.45	4.37	3.53	0-2.19	0.62	0.80	1.13-13.58	5.23	4.00
	(0-2.77)	(0.44)	(0.95)	(2.15-22.73)	(9.19**)	(6.81)	(0-3.35)	(1.00)	(1.29)	(2.15-24.32)	(10.62**)	(7.39)

* Gillnets were 91.4 m long and 1.83 m deep.

** Two lake trout and one lake whitefish were not weighed.

Table 13. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit (100 m of gillnet set for 24 h)* of sampling effort (CPUE) at Bandy Lake, NT, in March and April 2000.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h* (CPUE in kg of fish/100 m of gillnet set 24 h)								
	cisco sp.			northern pike			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89 mm	0-8.35	2.16	3.09	0-4.77	2.18	1.60	0-13.1	4.43	4.16
	(0-3.80)	(0.94)	(1.36)	(0-8.97)	(3.25)	(2.85)	(0-12.00)	(4.19)	(3.92)
114 mm	0	0	0	0-2.19	0.31	0.72	0-2.19	0.31	0.72
	(0)	(0)	(0)	(0-5.01)	(0.92)	(1.95)	(0-5.01)	(0.92)	(1.95)
140 mm	0-1.09	0.11	0.35	0	0	0	0-1.09	0.11	0.35
	(0-0.20)	(0.02)	(0.06)	(0)	(0)	(0)	(0-0.20)	(0.02)	(0.06)

* Gillnets were 91.4 m long and 3.66 m deep.

Table 14. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit (100 m of gillnet set for 24 h)* of sampling effort (CPUE) at Lac Belot, NT, in December 1999.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h* (CPUE in kg of fish/100 m of gillnet set 24 h)								
	burbot			lake trout			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89 mm	0-1.10	0.14	0.39	0-3.42	1.12	1.21	0-3.42	1.26	1.12
	(0-1.06)	(0.13)	(0.37)	(0-9.84)	(2.63)	(3.26)	(0-9.84)	(2.76)	(3.16)
114 mm	0-1.14	0.41	0.57	2.18-10.3	4.17	2.91	2.18-11.4	4.58	3.25
	(0-2.00)	(0.25**)	(0.71)	(6.54-31.9)	(12.8)	(8.94)	(6.54-33.9)	(13.1**)	(9.55)
140 mm	0-1.15	0.14	0.41	0-3.46	1.26	1.14	0-4.62	1.41	1.48
	(0-1.35)	(0.17)	(0.48)	(0-10.2)	(3.92)	(3.47)	(0-11.6)	(4.09)	(3.83)

* Note: The 89 and 114 mm mesh gillnets were 91.4 m long and 3.66 m deep. The 140 mm mesh gillnets were 1.83 m deep. Data from the 1.83 m deep 89 mm and 114 mm mesh gillnets were not used to calculate CPUE.

** Two burbot were not weighed.

Table 15. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit (100 m of gillnet set for 24 h)* of sampling effort (CPUE) at Colville Lake, NT, November 1999.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h* (CPUE in kg of fish/100 m of gillnet set 24 h)**														
	burbot			lake trout			lake whitefish			northern pike			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89 mm	0-2.27	0.28	0.80	3.28-18.1	9.47	4.71	1.13-40.8	21.8	13.2	0-2.27	0.28	0.80	18.6-49.8	31.9	11.5
	(0-2.99)	(0.37)	(1.06)	(6.83-32.2)	(11.72)	(9.23)				(0-5.33)	(0.67)	(1.88)			
114 mm	0-2.41	1.27	0.90	13.4-46.1	23.6	10.8	2.21-16.7	8.17	4.79	0-2.13	0.50	0.80	20.0-63.3	33.6	14.9
	(0-4.14)	(1.87)	(1.41)				(0.70-13.0)	(7.97)	(5.21)	(0-3.53)	(0.99)	(1.53)			
140 mm	0-3.33	0.99	1.18	13.0-27.4	18.3	5.43	4.44-15.5	8.98	3.26	0-1.27	0.27	0.53	22.2-37.7	28.6	5.98
	(0-8.85)	(2.57)	(3.12)				(4.12-17.0)	(12.1)	(4.56)	(0-3.79)	(0.79)	(1.56)			

* Gillnets were 91.4 m long and 1.83 m deep.

** Many catches were subsampled. Weight CPUE data are based only on those catches where all fish were weighed.

Table 16. Summary, by gillnet mesh size, of the number of fish caught per unit (100 m of gillnet set for 24 h) of sampling effort (CPUE) at Kelly Lake, NT, in February 1998.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h																	
	burbot			inconnu			lake trout			lake whitefish			northern pike			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
Gillnets 91.4 m long and 1.83 m deep																		
89 mm	0	0	0	0	0	0	0-2.3	1.1	1.2	1.2-2.2	1.8	0.6	0	0	0	2.2-3.5	3.0	0.7
Gillnets 91.4 m long and 3.66 m deep																		
114 mm	0-1.4	0.4	0.6	0-1.4	0.3	0.6	1.1-7.0	3.2	1.8	1.1-24	8.4	6.6	0-4.2	1.4	1.5	4.4-37	13.8	9.5
140 mm	0-1.1	0.4	0.6	0-1.4	0.5	0.7	0-1.4	0.7	0.7	0-4.5	2.3	1.6	0-1.4	0.5	0.7	0-7.2	4.5	2.2

Table 17. Summary, by gillnet mesh size, of the number of fish caught per unit (100 m of gillnet set for 24 h)* of sampling effort (CPUE) at Loon Lake, NT, in November 1997.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h*																	
	lake trout			lake whitefish			longnose sucker			northern pike			yellow walleye			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
114 mm	0-3.17	0.60	0.92	1.08-10.0	5.88	2.67	0-1.08	0.08	0.29	0-4.07	1.25	1.24	0-3.23	1.85	0.94	6.06-16.9	9.67	2.97

* Gillnets were 91.4 m long and 3.66 m deep.

Table 18. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit (100 m of gillnet set for 24 h)* of sampling effort (CPUE) at Mahony Lake, NT, November 1996.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h* (CPUE in kg of fish/100 m of gillnet set 24 h)											
	lake trout			lake whitefish			northern pike			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89 mm	2.39-8.57	4.98	2.76	0-3.22	1.34	1.16	0	0	0	2.40-11.8	6.33	3.75
	(6.61-48.6)	(21.0***)	(16.8)	(0-4.32)	(1.66**)	(1.79)	(0)	(0)	(0)	(8.39-53.0)	(22.6)	(18.3)
114 mm	2.96-12.4	6.85	4.21	15.4-72.1	36.8	27.5	3.99-26.8	15.4	9.60	26.7-111	59.1	39.6
	(11.8-34.7)	(21.1***)	(10.3)	(23.9-107)	(55.5**)	(42.7)	(81.9-65.7)	(42.2)	(27.2)	(45.2-209)	(119)	(75.4)
140 mm	4.80-13.7	8.19	3.47	0-1.25	0.72	0.66	0	0	0	6.04-13.74	8.91	3.07
	(9.57-56.9)	(28.5***)	(17.6)	(0-1.97)	(0.94)	(0.91)	(0)	(0)	(0)	(10.7-56.9)	(29.5)	(17.0)

* Gillnets were 91.4 m long and 3.66 m deep.

** Underestimate of CPUE as one or two lake whitefish were not weighed.

***Underestimate of CPUE as scale only read to 10 kg and some lake trout were >10 kg.

Table 19. Summary, by gillnet mesh size, of the number of fish caught per unit (100 m of gillnet set for 24 h)* of sampling effort (CPUE) at Mirror Lake, NT, in March 2000.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h*											
	burbot			lake trout			lake whitefish			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89 mm	0-0.98	0.11	0.33	0-7.19	2.77	2.41	1.32-11.9	7.56	3.60	3.96-16.7	10.4	4.38
114 mm	0	0	0	0-19.0	4.85	6.06	0.97-10.7	3.82	2.90	2.97-21.9	8.67	6.69
140 mm	0	0	0	0-5.92	1.50	1.89	0-6.54	2.65	2.24	0-7.84	4.15	2.86

* Gillnets were 91.4 m long and 3.66 m deep.

Table 20. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit (100 m of gillnet set for 24 h)* of sampling effort (CPUE) at Rorey Lake, NT, in November 1997.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h* (CPUE in kg of fish/100 m of gillnet set 24 h)											
	lake trout			lake whitefish			yellow walleye			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89 mm	3.35-13.5	6.64	2.82	11.9-39.0	25.4	9.62	0-10.5	2.93	3.44	17.9-63.0	35.0	14.1
	(5.21-18.8)	(12.0**)	(4.66)	(16.5-51.5)	(36.8**)	(12.8)	(0-18.3)	(5.26)	(60.3)	(27.8-80.4)	(54.1***)	(17.2)

* Gillnets were 91.4 m long and 3.66 m deep.

**One missing weight value.

***Two missing weight values.

Table 21. Summary, by gillnet mesh size, of the number of fish caught per unit (100 m of gillnet set for 24 h) of sampling effort (CPUE) at Tagatui Lake, NT, in November and December 1996.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h								
	lake whitefish			northern pike			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
Gillnet 91.4 m long and 3.66 m deep									
89	0-12.4	4.7	4.5	0-3.4	0.9	1.2	0-15.8	5.6	5.5
114	1.1-1.2	1.1	0.1	0-2.2	1.1	1.3	1.1-3.4	2.2	1.3
140	0-1.2	0.3	0.6	0	0	0	0-1.2	0.3	0.6
Gillnet 45.7 m long and 1.83 m deep									
114	0-2.1	0.5	1.1	0-2.1	1.0	1.2	0-4.3	1.6	2.0
Gillnet 91.4 m long and 11.83 m deep									
140	1.1-2.1	1.6	0.6	0-1.1	0.8	0.5	1.1-3.2	2.4	1.0

Table 22. Summary, by gillnet mesh size, of the number of fish caught per unit (100 m of gillnet set for 24 h)* of sampling effort (CPUE) at Turton Lake, NT, March 1996.

Mesh Size (mm)	CPUE in number of fish/100 m of gillnet set 24 h*								
	lake trout			lake whitefish			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
114	1.4-24.7	11.0	9.0	0-8.2	1.6	2.7	1.4-24.7	12.5	9.4

* Gillnets were 91.4 m long and 1.83 m deep.

Table 23. Biological data by age class for lake trout caught in 89, 114, and 140 mm mesh gillnets at Aubry Lake, NT, in November and December 1999.

AGE	ALL MESHES COMBINED						
			Fork length (mm)		Round weight (g)		K
(y)	n	%	mean	SD	mean	SD	
6	2	2	510	14	1645	148	1.24
7	13	16	528	43	1740	339	1.18
8	8	10	545	45	1770	330	1.10
9	7	9	523	50	1770	463	1.21
10	9	11	563	31	2136	437	1.19
11	6	7	590	46	2267	477	1.09
12	8	10	593	55	2441	878	1.14
13	7	9	601	56	2283	762	1.02
14	6	7	587	35	2418	637	1.18
15	5	6	626	93	2894	1276	1.12
16	1	1	640	-	2830	-	1.08
17	1	1	700	-	3470	-	1.01
18	3	4	637	32	2873	257	1.12
19	1	1	650	-	3470	-	1.26
20	2	2	675	106	3800	1471	1.21
23	1	1	500	-	1750	-	1.41
26	1	1	880	-	1760	-	0.98
TOTAL	81	100					
MEAN			577	71	2274	903	1.15
MEAN AGE		11.4					

Table 24. Biological data by length interval for lake trout caught in 89, 114, and 140 mm mesh gillnets at Aubry Lake, NT, in 1999.

LENGTH	ALL MESHES COMBINED				
		Fork length (mm)	Round weight (g)		K
INTERVAL (mm)	n	mean	mean	SD	
425-449	1	430	930	-	1.17
450-474	5	456	1224	121	1.29
475-499	1	480	1330	-	1.2
500-524	9	510	1701	121	1.28
525-549	6	533	1753	203	1.15
550-574	34	556	1997	256	1.16
575-599	11	581	2086	174	1.06
600-624	11	602	2312	440	1.06
625-649	2	640	2725	148	1.04
650-674	8	653	3195	288	1.15
700-724	4	700	3835	398	1.12
750-774	3	750	4567	359	1.08
875-899	1	880	6680	-	0.98
TOTAL	96				
MEAN		576	2263	883	1.15

Table 25. Biological data by length interval for northern pike caught in 89, 114, and 140 mm mesh gillnets at Bandy Lake, NT, in March and April 2000.

LENGTH	ALL MESHES COMBINED				
		Fork length (mm)	Round weight (g)		K
INTERVAL (mm)	n	mean	mean	SD	
440-459	1	445	630	-	0.71
480-499	3	484	863	46	0.76
500-519	3	507	993	31	0.76
520-539	3	532	1023	99	0.68
540-559	1	550	1290	-	0.78
560-579	2	568	1430	127	0.78
580-599	3	582	1520	35	0.77
620-639	1	637	2190	-	0.85
640-659	1	650	2430	-	0.88
700-719	1	700	2670	-	0.78
720-739	1	730	3290	-	0.85
740-759	1	750	3480	-	0.82
760-779	1	775	4400	-	0.95
TOTAL	22				
MEAN		577	1656	93	0.78

Table 26. Biological data by age class for lake trout caught in 114 mm mesh gillnets at Lac Belot, NT, in December 1999.

AGE	TOTAL						
			Fork length (mm)		Round weight (g)		K
(y)	n	%	mean	SD	mean	SD	
7	1	4	560	-	2240	-	1.28
8	1	4	620	-	3130	-	1.31
10	6	22	612	37	2820	453	1.22
11	2	7	630	14	3005	262	1.21
12	1	4	590		2410		1.17
13	2	7	665	21	3260	198	1.11
14	1	4	700	-	3800	-	1.11
15	4	15	625	29	2880	144	1.19
16	2	7	640	57	3390	552	1.30
18	3	11	653	42	3510	562	1.25
19	1	4	680	-	3210	-	1.02
20	1	4	620	-	3260	-	1.37
22	1	4	640	-	3300	-	1.26
26	1	4	680	-	3770	-	1.20
TOTAL	27	101*					
MEAN			633	39	3089	471	1.21
MEAN AGE	14.1						

* Percentages do not equal 100 due to rounding of numbers.

Table 27. Biological data by length interval for lake trout caught in 114 mm mesh gillnets at Lac Belot, NT, in December 1999.

LENGTH	114 mm MESH				
		Fork length (mm)	Round weight (g)		K
INTERVAL (mm)	n	mean	mean	SD	
500-524	1	540	1930	-	1.23
550-574	1	560	2240	-	1.28
575-599	1	590	2410	-	1.17
600-624	16	611	2946	210	1.29
625-649	4	640	3208	271	1.22
650-674	4	650	3085	125	1.12
675-699	4	680	3540	282	1.13
700-724	2	700	3950	212	1.15
TOTAL	33				
MEAN		624	3002	394	1.23

Table 28. Biological data by age class for burbot caught in 89, 114, and 140 mm mesh gillnets at Colville Lake, NT, in November 1999.

AGE	ALL MESHES COMBINED						
			Total length (mm)		Round weight (g)		K
(y)	n	%	mean	SD	mean	SD	
8	1	5	550	-	1220	-	0.73
9	6	32	532	51	1573	551	1.02
11	3	16	593	12	2187	692	1.04
12	2	11	664	59	1990	622	0.81
13	2	11	785	166	2060	990	0.69
14	3	16	620	52	2007	404	0.86
15	1	5	700	15	2640	-	0.77
24	1	5	750	24	3060	-	0.73
TOTAL	19	100					
MEAN			600	83	1949	644	0.90
MEAN AGE	11.9						

Table 29. Biological data by length interval for burbot caught in 89, 114, and 140 mm mesh gillnets at Colville Lake, NT, in November 1999.

LENGTH	ALL MESHES COMBINED				
		Total length (mm)	Round weight (g)		K
INTERVAL (mm)	n	mean	mean	SD	
450-474	1	450	780	-	0.86
500-524	2	500	1475	544	1.18
550-574	6	550	1477	245	0.89
575-599	2	580	1540	14	0.79
600-624	3	600	2487	398	1.15
650-674	3	655	2180	450	0.78
700-724	1	700	2640	-	0.77
750-774	1	750	3060	-	0.73
775-799	1	785	2760	-	0.57
TOTAL	20				
MEAN		595	1907	656	0.90

Table 30. Biological data by age class for lake trout caught in 89, 114, and 140 mm mesh gillnets at Colville Lake, NT, in November 1999.

AGE	ALL MESHES COMBINED						
(y)			Fork length (mm)		Round weight (g)		K
	n	%	mean	SD	mean	SD	
2	1	1	290	-	330	-	1.35
3	1	1	350	-	500	-	1.17
4	14	8	445	41	948	182	1.09
5	18	10	441	65	1021	327	1.17
6	29	16	465	58	1123	351	1.10
7	15	8	487	69	1426	392	1.24
8	18	10	515	52	1527	383	1.12
9	14	8	529	67	1709	424	1.15
10	17	9	531	45	1698	275	1.15
11	12	7	533	69	1626	419	1.08
12	15	8	558	46	1991	359	1.15
13	9	5	570	39	2009	312	1.08
14	5	3	548	37	1848	561	1.10
15	6	3	575	27	2015	185	1.06
17	2	1	633	25	2240	424	0.90
18	1	1	621	-	3060	-	1.28
19	1	1	580	-	2100	-	1.08
21	1	1	650	-	2770	-	1.01
28	1	1	-	-	7000	-	-
TOTAL	180	100					
MEAN			505	74	1523	670	1.13
MEAN AGE	8.8						

Table 31. Biological data by length interval for lake trout caught in 89, 114, and 140 mm mesh gillnets at Colville Lake, NT, in November 1999.

LENGTH	ALL MESHES COMBINED				
INTERVAL		Fork length (mm)	Round weight (g)		K
(mm)	n	mean	mean	SD	
250-274	1	250	270	-	1.73
275-299	1	290	330	-	1.35
300-324	2	300	370	28	1.37
350-374	8	353	588	120	1.35
375-399	2	380	665	106	1.21
400-424	7	403	903	88	1.38
425-449	10	435	906	181	1.10
450-474	34	453	1089	215	1.18
475-499	17	482	1373	226	1.23
500-524	36	503	1551	251	1.22
525-549	11	539	1762	212	1.13
550-574	66	553	1809	259	1.07
575-599	16	583	1964	301	0.99
600-624	22	603	2240	291	1.02
625-649	1	640	2970	12	1.13
650-674	3	650	2317	420	0.84
700-724	1	700	2990	-	0.87
TOTAL	238				
MEAN		512	1559	532	1.13

Table 32. Biological data by age class for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Colville Lake, NT, in November 1999.

AGE	ALL MESHES COMBINED						
			Fork length (mm)		Round weight (g)		K
(y)	n	%	mean	SD	mean	SD	
4	1	1	440	-	990	-	1.16
5	8	5	285	37	338	177	1.35
6	7	4	376	69	680	662	1.19
7	13	7	356	53	644	230	1.41
8	15	9	357	69	669	346	1.41
9	14	8	361	40	713	203	1.50
10	9	5	470	104	1403	816	1.25
11	7	4	450	69	1094	507	1.17
12	6	3	427	79	1092	547	1.28
13	6	3	440	76	1328	801	1.37
14	9	5	478	68	1800	762	1.59
15	6	3	432	100	1240	461	1.57
16	14	8	464	26	1464	280	1.47
17	10	6	477	22	1516	361	1.41
18	7	4	457	42	1403	385	1.45
19	3	2	553	90	2197	1062	1.26
20	7	4	501	37	1956	515	1.54
21	10	6	499	52	1787	486	1.44
22	7	4	488	34	1539	207	1.34
23	3	2	483	29	1730	544	1.52
24	7	4	500	41	1643	259	1.33
25	3	2	533	29	2107	408	1.38
27	2	1	500	71	1845	856	1.42
28	2	1	560	14	2425	474	1.37
TOTAL	176	100					
MEAN			435	85	1257	666	1.40
MEAN AGE	14.0						

Table 33. Biological data by length interval for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Colville Lake, NT, in November 1999.

LENGTH	ALL MESHES COMBINED				
		Fork length (mm)	Round weight (g)		K
INTERVAL (mm)	n	mean	mean	SD	
230-239	1	230	140	-	1.15
250-259	7	250	277	71	1.41
280-289	3	280	323	81	1.47
300-309	4	300	418	90	1.55
310-319	1	310	340	-	1.14
330-339	1	330	420	-	1.17
340-349	5	340	506	59	1.29
350-359	20	350	604	108	1.41
360-369	5	360	606	215	1.30
370-379	3	370	573	38	1.13
380-389	4	380	730	172	1.33
390-399	1	390	790	-	1.33
400-419	7	400	891	123	1.39
420-429	1	420	1300	-	1.75
430-439	1	430	1320	-	1.66
440-449	5	440	1042	106	1.22
450-459	38	450	1373	185	1.51
460-469	3	460	1563	373	1.61
470-479	6	470	1333	210	1.28
480-489	12	480	1629	171	1.47
490-499	1	490	1330	-	1.13
500-509	22	500	1658	342	1.33
520-529	2	520	1310	764	0.93
549-549	2	540	1875	318	1.19
550-559	17	550	2328	380	1.40
560-569	3	560	2887	451	1.64
570-579	2	570	2370	552	1.28
600-609	2	600	2080	141	0.96
610-619	1	610	3350	-	1.48
TOTAL	180				
MEAN		437	1278	676	1.41

Table 34. Biological data by age class for lake trout caught in 89, 114, and 140 mm mesh gillnets at Kelly Lake, NT, in February and March 1998.

AGE	MALES							FEMALES							TOTAL							%
			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork Length (mm)		Round weight (g)		K	FEMALE
(y)	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
7	-	-	-	-	-	-	-	2	25	608	117	2690	1358	1.15	2	11	608	117	2690	1358	1.15	100
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	560	-	1940	-	1.10	-
10	2	25	535	14	1820	269	1.18	2	25	583	32	2240	509	1.12	4	21	559	34	2030	411	1.15	50
11	3	38	398	224	1650	481	1.13	1	13	630	-	2680	-	1.07	4	21	456	216	1993	685	1.11	25
12	1	13	600	-	2170	-	1.00	-	-	-	-	-	-	-	2	11	570	42	1915	361	1.03	-
13	1	13	530	-	1320	-	0.89	-	-	-	-	-	-	-	1	5	530	-	1320	-	0.89	-
14	-	-	-	-	-	-	-	1	13	660	-	1800	-	0.63	1	5	660	-	1800	-	0.63	100
15	1	13	660	-	2800	-	0.97	-	-	-	-	-	-	-	2	11	620	57	2595	290	1.10	-
19	-	-	-	-	-	-	-	1	13	520	-	2390	-	1.70	1	5	520	-	2390	-	1.70	100
21	-	-	-	-	-	-	-	1	13	855	-	6540	-	1.05	1	5	855	-	6540	-	1.05	100
TOTAL	8	102*						8	99*						19	100*						
MEAN			507	156	1890	526	1.07			631	109	2909	1596	1.12			567	133	2361	1191	1.10	
MEAN AGE	11.6							12.4							11.9							

* Percentages do not equal 100 due to rounding of numbers.

Table 35. Biological data by length interval for lake trout caught in 89, 114, and 140 mm mesh gillnets at Kelly Lake, NT, in February and March1998.

LENGTH	MALES					FEMALES					TOTAL					%
		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	
INTERVAL (mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		FEMALE
125-149	1	145	-	-	-	-	-	-	-	-	1	145	-	-	-	0
475-499	1	480	1310	-	1.18	-	-	-	-	-	1	480	1310	-	1.18	0
500-524	1	510	1730	-	1.30	1	520	2390	-	1.70	2	515	2060	467	1.50	50
525-549	3	533	1653	346	1.08	2	535	1815	120	1.18	6	535	1708	240	1.11	33
550-574	3	563	1967	87	1.10	1	560	1880	-	1.07	5	562	1944	72	1.10	20
575-599	-	-	-	-	-	3	588	2187	258	1.07	5	588	2240	202	1.10	60
600-624	2	610	2540	523	1.11	1	605	2600	-	1.17	6	606	2378	436	1.06	17
625-649	-	-	-	-	-	1	630	2680	-	1.07	1	630	2680	-	1.07	100
650-674	1	660	2800	-	0.97	1	660	1800	-	0.63	2	660	2300	707	0.80	50
675-699	-	-	-	-	-	1	690	3650	-	1.11	1	690	3650	-	1.11	100
850-874	-	-	-	-	-	1	855	6540	-	1.05	1	855	6540	-	1.05	100
950-974	-	-	-	-	-	1	950	11500	-	1.34	1	950	11500	-	1.34	100
TOTAL	12					13					32					
MEAN		525	1980	516	1.11		639	3325	2770	1.13		584	2575	1900	1.11	

Table 36. Biological data by age class for lake whitefish caught in 114 mm mesh gillnets at Kelly Lake, NT, in February and March 1998.

AGE	MALES							FEMALES							TOTAL							%
			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
(y)	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
6	1	8	420	-	1150	-	1.55	-	-	-	-	-	-	-	1	2	420	-	1150	-	1.55	-
8	-	-	-	-	-	-	-	2	13	485	7	1595	92	1.40	3	7	470	26	1563	85	1.52	67
11	-	-	-	-	-	-	-	1	6	500	-	1820	-	1.46	1	2	500	-	1820	-	1.46	100
12	1	8	495	-	1970	-	1.62	-	-	-	-	-	-	-	1	2	495	-	1970	-	1.62	-
13	1	8	475	-	1650	-	1.54	1	6	475	-	1320	-	1.23	3	7	478	6	1587	241	1.45	33
14	2	15	485	21	1705	361	1.48	-	-	-	-	-	-	-	3	7	490	17	1733	260	1.47	-
15	1	8	470	-	1360	-	1.31	1	6	535	-	1890	-	1.23	2	4	503	46	1625	375	1.27	50
16	-	-	-	-	-	-	-	1	6	500	-	1600	-	1.28	4	9	507	21	1710	231	1.39	25
17	-	-	-	-	-	-	-	3	19	485	5	1560	139	1.37	4	9	480	11	1455	239	1.31	75
18	3	23	505	13	1780	161	1.38	2	13	488	4	1620	170	1.40	9	20	502	11	1813	233	1.43	22
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	470	14	1610	113	1.55	-
20	1	8	470	-	1450	-	1.40	3	19	503	53	1887	757	1.43	4	9	495	47	1778	655	1.42	75
21	1	8	610	-	2130	-	0.94	1	6	445	-	1130	-	1.28	2	4	528	117	1630	707	1.11	50
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7	512	28	1867	559	1.37	-
24	1	8	475	-	1490	-	1.39	-	-	-	-	-	-	-	1	2	475	-	1490	-	1.39	-
25	-	-	-	-	-	-	-	1	6	500	-	1670	-	1.34	1	2	500	-	1670	-	1.34	100
27	1	8	520	-	2100	-	1.49	-	-	-	-	-	-	-	1	2	520	-	2100	-	1.49	-
TOTAL	13	100						16	100						45	100						
MEAN			494	44	1696	309	1.41			492	27	1638	355	1.36			493	32	1695	330	1.41	
MEAN AGE	16.9							16.5							17.0							

Table 37. Biological data by length interval for lake whitefish caught in 114 mm mesh gillnets at Kelly Lake, NT, in February and March 1998.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
420-429	1	420	1150	-	1.55	-	-	-	-	-	1	420	1150	-	1.55	-
440-449	-	-	-	-	-	1	445	1130		1.28	2	443	1315	262	1.52	50
460-469	-	-	-	-	-	-	-	-	-	-	3	462	1400	225	1.43	-
470-479	6	472	1503	111	1.43	3	473	1407	81	1.33	10	472	1452	118	1.38	30
480-489	1	485	1400	-	1.23	4	483	1610	147	1.43	9	483	1617	161	1.43	44
490-499	3	493	1870	209	1.56	3	490	1557	74	1.32	11	492	1725	194	1.45	27
500-509	2	503	1830	184	1.44	4	501	1723	105	1.37	11	501	1805	134	1.43	36
510-519	4	514	1823	267	1.34	-	-	-	-	-	9	512	1868	247	1.39	-
520-529	2	520	2025	106	1.44	-	-	-	-	-	4	520	1903	154	1.35	-
530-539	-	-	-	-	-	1	535	1890		1.23	3	532	2107	333	1.40	33
540-549	1	545	2330	-	1.44	-	-	-	-	-	3	542	2370	115	1.49	-
560-569	1	610	2130	-	1.94	1	565	2760	-	1.53	2	563	2670	127	1.50	50
600-609	-	-	-	-	-	-	-	-	-	-	1	610	2130	-	0.94	-
TOTAL	21					17					69					
MEAN		499	1745	313	1.41		492	1647	346	1.36		498	1756	336	1.42	

Table 38. Biological data by length interval for lake trout caught in 89, 114, and 140 mm mesh gillnets at Mahony Lake, NT, in December 1996.

LENGTH INTERVAL (mm)	ALL MESHES COMBINED				
		Fork length (mm)	Round weight (g)		K
	n	mean	mean	SD	
475-499	2	490	1405	120	1.19
500-524	5	513	1656	211	1.22
525-549	11	538	1906	146	1.23
550-574	18	557	2108	213	1.22
575-599	7	584	2474	455	1.24
600-624	12	610	2698	330	1.19
625-649	3	633	3113	6	1.23
650-674	1	650	2840	-	1.03
675-699	3	688	3460	411	1.06
700-724	2	715	4340	198	1.19
725-749	2	730	4985	35	1.28
750-774	1	750	5410	-	1.28
775-799	1	795	6630	-	1.32
800-824	1	805	5160	-	0.99
850-874	5	860	>8490	>1450	>1.33
875-899	1	880	>10000	-	>1.47
900-924	2	903	8840	156	1.20
925-949	2	933	>10000	-	>1.23
950-974	1	970	>10000	-	>1.10
975-999	2	978	>10000	-	>1.07
TOTAL	82				
MEAN		640	3637	2659	1.21

Note: Some fish weighed more than the scale could measure.

Table 39. Biological data by length interval for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Mahony Lake, NT, in December 1996.

LENGTH INTERVAL (mm)	TOTAL				
		Fork length (mm)	Round weight (g)		K
	n	mean	mean	SD	
390-399	1	390	740	-	1.25
410-419	1	410	840	-	1.22
420-429	2	420	920	0	1.24
430-439	5	433	972	51	1.20
440-449	8	441	1124	80	1.31
450-459	12	450	1183	55	1.29
460-469	6	460	1170	104	1.20
470-479	7	471	1361	101	1.31
480-489	6	482	1478	149	1.32
490-499	12	490	1515	165	1.28
500-509	21	500	1589	125	1.27
510-519	17	511	1737	206	1.30
520-529	15	521	1832	150	1.30
530-539	10	532	1959	223	1.30
540-549	4	540	2000	105	1.27
550-559	1	555	2160	-	1.26
630-639	1	635	2010	-	0.79
TOTAL	129				
MEAN		490	1529	343	1.28

Table 40. Biological data by length interval for northern pike caught in 89, 114, and 140 mm mesh gillnets at Mahony Lake, NT, in December 1996.

LENGTH INTERVAL (mm)	TOTAL				
		Fork length (mm)	Round weight (g)		K
	n	mean	mean	SD	
520-539	2	530	1450	156	0.97
540-559	2	545	1385	148	0.85
560-579	2	565	1775	35	0.98
580-599	3	583	1860	275	0.93
600-619	3	600	1850	160	0.86
620-639	6	627	2228	318	0.91
640-659	6	643	2405	107	0.90
660-679	6	666	2702	340	0.91
680-699	4	688	2790	230	0.86
700-719	4	705	3240	494	0.92
720-739	6	726	3358	438	0.88
780-799	4	785	3968	307	0.82
920-939	1	930	7270	-	0.90
960-979	1	965	7040	-	0.78
TOTAL	50				
MEAN		668	2776	1175	0.89

Table 41. Biological data by age class for burbot caught in 89, 114, and 140 mm mesh gillnets at Manuel Lake, NT, from November 1997 through February 1998.

AGE	MALES							FEMALES							TOTAL							%
			Total length (mm)		Round weight (g)		K			Total length (mm)		Round weight (g)		K			Total length (mm)		Round weight (g)		K	FEMALE
(y)	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
9	2	17	618	40	2325	643	0.97	1	14	645	-	2140	-	0.80	3	14	627	32	2263	467	0.91	33
10	-	-	-	-	-	-	-	3	43	597	3	1790	92	0.84	3	14	597	3	1790	92	0.84	100
11	1	8	576		1590	-	0.83	1	14	670	-	1690	-	0.56	2	10	623	66	1640	71	0.70	50
12	2	17	599	23	1820	14	0.85	1	14	625	-	2100	-	0.86	4	19	615	24	1915	132	0.83	25
13	2	17	638	53	2270	226	0.88	1	14	613	-	1850	-	0.80	3	14	629	40	2130	291	0.86	33
14	2	17	620	57	1880	424	0.78	-	-	-	-	-	-	-	3	14	610	44	1943	319	0.86	-
15	1	8	675	-	2540	-	0.83	-	-	-	-	-	-	-	1	5	675	-	2540	-	0.83	-
17	1	8	705	-	2910	-	0.83	-	-	-	-	-	-	-	1	5	705	-	2910	-	0.83	-
18	1	8	680	-	2550	-	0.81	-	-	-	-	-	-	-	1	5	680	-	2550	-	0.81	-
TOTAL	12	100						7	100						21	100						33
MEAN			632	46	2182	456	0.86			621	28	1879	180	0.79			627	39	2063	382	0.84	
MEAN AGE	13.1							10.7							12.3							

Table 42. Biological data by length interval for burbot caught in 89, 114, and 140 mm mesh gillnets at Manuel Lake, NT, from November 1997 through February 1998.

LENGTH	MALES						FEMALES						TOTAL						%
INTERVAL		Total length (mm)	Round weight (g)		K			Total length (mm)	Round weight (g)		K			Total length (mm)	Round weight (g)		K		FEMALE
(mm)	n	mean	mean	SD			n	mean	mean	SD			n	mean	mean	SD			
570-579	1	576	1590	-	0.83		-	-	-	-	-		1	576	1590	-	0.83		0
580-589	2	581	1695	163	0.86		-	-	-	-	-		2	581	1695	163	0.86		0
590-599	1	590	1870	-	0.91		2	595	1800	127	0.85		4	593	1885	147	0.91		50
600-609	1	600	2110	-	0.98		1	601	1770	-	0.82		2	601	1940	240	0.90		50
610-619	1	615	1830	-	0.79		1	613	1850	-	0.80		2	614	1840	14	0.79		50
620-629	-	-	-	-	-		1	625	2100	-	0.86		1	625	2100	-	0.86		100
630-639	-	-	-	-	-		-	-	-	-	-		1	639	1920	-	0.74		0
640-649	1	646	2780	-	1.03		1	645	2140	-	0.80		2	646	2460	453	0.91		50
660-669	1	660	2180	-	0.76		-	-	-	-	-		1	660	2180	-	0.76		0
670-679	2	675	2485	78	0.81		1	670	1690	-	0.56		3	673	2220	462	0.73		33
680-689	1	680	2550	-	0.81		-	-	-	-	-		1	680	2550	-	0.81		0
700-709	1	705	2910	-	0.83		-	-	-	-	-		1	705	2910	-	0.83		0
TOTAL	12						7						21						33
MEAN		632	2182	456	0.86			621	1879	180	0.79			627	2063	382	0.84		

Table 43. Biological data by age class for northern pike caught in 89, 114, and 140 mm mesh gillnets at Manuel Lake, NT, from November 1997 through December 1998.

AGE	MALES							FEMALES							TOTAL							%
			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	
(y)	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		FEMALE
9	1	17	572	-	1700	-	0.91	1	5	610	-	1980	-	0.87	2	7	591	27	1840	198	0.89	50
10	-	-	-	-	-	-	-	5	23	621	29	2090	311	0.87	5	18	621	29	2090	311	0.87	100
11	1	17	570	-	1750	-	0.94	4	18	650	29	2343	381	0.85	5	18	634	44	2224	423	0.87	80
12	1	17	635	-	2190	-	0.86	6	27	648	28	2147	170	0.80	7	25	646	26	2153	156	0.80	86
13	-	-	-	-	-	-	-	3	14	672	19	2353	187	0.77	3	11	672	19	2353	187	0.77	100
14	1	17	620	-	2060	-	0.86	2	9	620	85	2455	417	1.05	3	11	620	60	2323	373	0.99	67
15	1	17	600	-	2160	-	1.00	1	5	670	-	2400	-	0.80	2	7	635	49	2280	170	0.90	50
19	1	17	830	-	4150	-	0.73	-	-	-	-	-	-	-	1	4	830	-	4150	-	0.73	-
TOTAL	6	102*						22	101*						28	101*						79
MEAN			638	98	2335	913	0.88			642	35	2230	280	0.85			641	52	2252	466	0.85	
MEAN AGE	13.3							11.7							12.0							

* Percentages do not equal 100 due to rounding of numbers.

Table 44. Biological data by length interval for northern pike caught in 89, 114, and 140 mm mesh gillnets at Manuel Lake, NT, from November 1997 through December 1998.

LENGTH	MALES					FEMALES					TOTAL					%
		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	
INTERVAL (mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		FEMALE
560-579	2	571	1725	35	0.93	1	560	2160	-	1.23	3	567	1870	252	1.03	33
580-599	-	-	-	-	-	1	580	1620	-	0.83	1	580	1620	-	0.83	100
600-619	1	600	2160	-	1.00	4	608	1953	104	0.87	5	607	1994	129	0.89	80
620-639	2	628	2125	92	0.86	1	620	2440	-	1.02	3	625	2230	193	0.91	33
640-659	-	-	-	-	-	8	649	2199	177	0.81	8	649	2199	177	0.81	100
660-679	-	-	-	-	-	2	665	2405	7	0.82	2	665	2405	7	0.82	100
680-699	-	-	-	-	-	5	683	2524	199	0.79	5	683	2524	199	0.79	100
820-839	1	830	4150	-	0.73	-	-	-	-	-	1	830	4150	-	0.73	0
TOTAL	6					22					28					79
MEAN		638	2335	913	0.88		642	2230	280	0.85		641	2252	466	0.85	

Table 45. Biological data by length interval for lake trout caught in 89, 114, and 140 mm mesh gillnets at Mirror Lake, NT, in March 2000.

LENGTH INTERVAL (mm)	TOTAL n	Fork length (mm) mean	Round weight (g) mean	Round weight (g) SD	K
400-424	2	423	890	71	1.18
425-449	33	436	1003	81	1.21
450-474	12	458	1119	91	1.16
475-499	9	484	1319	99	1.16
500-524	2	510	1530	42	1.16
525-549	5	533	1762	122	1.16
550-574	2	560	1840	14	1.05
TOTAL	65				
MEAN		460	1165	270	1.18

Table 46. Biological data by length interval for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Mirror Lake, NT, in March 2000.

LENGTH INTERVAL (mm)	TOTAL n	Fork length (mm) mean	Round weight (g) mean	Round weight (g) SD	K
420-429	5	423	996	54	1.32
430-439	8	432	1036	96	1.28
440-449	18	443	1184	96	1.36
450-459	25	455	1276	92	1.36
460-469	29	464	1363	83	1.36
470-479	14	472	1410	120	1.34
480-489	5	483	1452	93	1.29
490-499	2	490	1590	42	1.35
500-509	1	502	1870		1.48
TOTAL	107				
MEAN		457	1290	169	1.35

Table 47. Biological data by age class for lake trout caught in 114 mm mesh gillnets at Rorey Lake, NT, in November 1997.

AGE (y)	MALES n	%	Fork length (mm) mean	SD	Round weight (g) mean	SD	K	FEMALES n	%	Fork length (mm) mean	SD	Round weight (g) mean	SD	K	TOTAL n	%	Fork length (mm) mean	SD	Round weight (g) mean	SD	K	% FEMALE
9	-	-	-	-	-	-	-	1	5	504	-	1340	-	1.05	1	2	504	-	1340	-	1.05	100
10	2	12	470	21	1185	233	1.13	1	5	465	-	1090	-	1.08	3	7	468	15	1153	174	1.12	33
11	3	18	509	31	1373	220	1.03	1	5	490	-	940	-	0.80	4	10	505	27	1265	282	0.98	25
12	-	-	-	-	-	-	-	5	25	498	19	1370	170	1.11	5	12	498	19	1370	170	1.11	100
13	3	18	521	25	1530	207	1.08	3	15	550	36	1693	110	1.03	6	15	536	32	1612	173	1.05	50
14	3	18	520	10	1380	87	0.98	3	15	519	16	1443	212	1.03	7	17	521	29	1430	145	1.01	43
15	4	24	575	95	1985	1107	1.00	1	5	509	-	1270	-	0.96	6	15	551	82	1778	917	1.02	17
16	-	-	-	-	-	-	-	1	5	548	-	1630	-	0.99	1	2	548	-	1630	-	0.99	100
18	-	-	-	-	-	-	-	1	5	530	-	1740	-	1.17	1	2	530	-	1740	-	1.17	100
19	-	-	-	-	-	-	-	1	5	540	-	1680	-	1.07	1	2	540	-	1680	-	1.07	100
21	2	12	561	30	1665	92	0.95	1	5	580	-	1820	-	0.93	3	7	567	24	1717	111	0.94	33
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	540	-	1800	-	1.14	-
23	-	-	-	-	-	-	-	1	5	560		1660		0.95	1	2	560	-	1660	-	0.95	100
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	530	-	1700	-	1.14	-
TOTAL	17	100						20	100						41	100						49
MEAN			530	56	1558	568	1.03			521	33	1472	253	1.04			525	43	1522	405	1.04	
MEAN AGE	13.9							14.2							14.5							

Table 48. Biological data by length interval for lake trout caught in 114 mm mesh gillnets at Rorey Lake, NT, in November 1997.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
450-474	1	455	1020		1.08	1	465	1090		1.08	2	460	1055	49	1.08	50
475-499	2	482	1255	134	1.12	4	486	1198	180	1.04	6	485	1217	154	1.07	67
500-524	8	511	1436	120	1.08	6	510	1378	151	1.04	15	510	1415	128	1.07	40
525-549	3	537	1560	69	1.01	6	537	1667	53	1.08	12	536	1643	88	1.07	50
550-574	4	558	1545	175	0.90	3	563	1687	122	0.94	8	559	1593	154	0.91	38
575-599	1	582	1730		0.88	2	585	1810	14	0.90	3	584	1783	47	0.90	67
700-724	1	710	3640		1.02	-	-	-	-	-	1	710	3640	-	1.02	0
925-949	1	940	8880		1.07	-	-	-	-	-	1	940	8880	-	1.07	0
TOTAL	21					22					48					46
MEAN		551	1911	1676	1.02		525	1492	253	1.03		537	1687	1125	1.03	

Table 49. Biological data by age class for lake whitefish caught in 114 mm mesh gillnets at Rorey Lake, NT, in November 1997.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
5	2	2	415	21	870	71	1.22	1	1	420	-	860	-	1.16	3	2	417	15	867	50	1.20	33
6	5	5	422	27	936	315	1.22	2	2	405	21	500	255	0.73	7	4	417	25	811	350	1.08	29
7	3	3	433	6	1000	53	1.23	4	4	425	19	1020	200	1.32	7	4	429	15	1011	145	1.28	57
8	11	12	459	25	1165	268	1.19	13	14	455	33	1182	318	1.23	24	13	457	29	1174	290	1.21	54
9	25	27	470	20	1312	236	1.25	18	19	473	18	1427	181	1.35	43	23	471	19	1360	220	1.30	42
10	10	11	490	16	1512	130	1.29	12	13	490	38	1537	376	1.28	22	12	490	29	1525	286	1.29	55
11	6	6	500	24	1590	487	1.24	7	7	487	22	1357	275	1.17	13	7	493	23	1465	389	1.20	54
12	1	1	500	-	1760	-	1.41	4	4	490	24	1450	380	1.21	5	3	492	22	1512	357	1.25	80
13	7	7	489	30	1451	286	1.26	2	2	505	7	1320	141	1.02	9	5	492	27	1422	259	1.20	22
15	1	1	500	-	1980	-	1.58	1	1	540	-	1640	-	1.04	2	1	520	28	1810	240	1.31	50
17	-	-	-	-	-	-	-	1	1	530	-	1840	-	1.24	1	1	530	-	1840	-	1.24	100
18	-	-	-	-	-	-	-	1	1	520	-	1940	-	1.38	1	1	520	-	1940	-	1.38	100
19	1	1	550	-	2000	-	1.20	5	5	520	16	1780	80	1.27	6	3	525	19	1817	115	1.26	83
20	4	4	510	34	1680	224	1.27	6	6	520	24	1700	236	1.21	10	5	516	27	1692	219	1.23	60
21	5	5	522	8	1784	233	1.25	9	9	519	20	1751	295	1.25	14	7	520	17	1763	266	1.25	64
22	1	1	490	-	1480	-	1.26	2	2	520	42	1870	382	1.32	3	2	510	35	1740	352	1.30	67
23	5	5	510	19	1788	223	1.35	4	4	525	10	1855	148	1.28	9	5	517	17	1818	185	1.32	44
24	3	3	523	21	1840	401	1.27	1	1	510	-	1660	-	1.25	4	2	520	18	1795	340	1.27	25
25	4	4	525	33	1770	234	1.23	2	2	550	14	1960	28	1.18	6	3	533	29	1833	206	1.21	33
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	600	-	3160	-	1.46	-
TOTAL	94	100						95	100						190	100						50
MEAN			482	36	1428	364	1.26			488	39	1478	377	1.25			485	38	1462	389	1.25	
MEAN AGE	13.2							13.1							12.9							

Table 50. Biological data by length interval for lake whitefish caught in 114 mm mesh gillnets at Rorey Lake, NT, in November 1997.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
390-399	-	-	-	-	-	2	390	590	382	0.99	2	390	590	382	0.99	100
400-409	3	400	733	242	1.15	2	400	800	57	1.25	5	400	760	177	1.19	40
410-419	1	410	860	-	1.25	1	410	800		1.16	2	410	830	42	1.20	50
420-429	1	420	1040	-	1.40	4	420	815	145	1.10	5	420	860	161	1.16	80
430-439	6	430	1077	175	1.35	-	-	-	-	-	6	430	1077	175	1.35	-
440-449	5	440	920	235	1.08	3	440	1307	266	1.53	8	440	1065	303	1.25	38
450-459	6	450	1150	138	1.26	6	450	1067	205	1.17	12	450	1108	172	1.22	50
460-469	6	460	1190	238	1.22	7	460	1323	176	1.36	13	460	1262	209	1.30	54
470-479	8	470	1380	93	1.33	6	470	1297	173	1.25	14	470	1344	134	1.29	43
480-489	12	480	1312	230	1.19	11	480	1402	124	1.27	23	480	1355	189	1.23	48
490-499	10	490	1514	143	1.29	6	490	1493	152	1.27	16	490	1506	142	1.28	38
500-509	14	500	1639	189	1.31	14	500	1601	208	1.28	28	500	1620	196	1.30	50
510-519	4	510	1620	166	1.22	10	510	1528	131	1.15	14	510	1554	142	1.17	71
520-529	9	520	1738	135	1.24	7	520	1809	112	1.29	16	520	1769	127	1.26	44
530-539	5	530	1964	204	1.32	5	530	1984	164	1.33	10	530	1974	175	1.33	50
540-549	2	540	2090	184	1.33	6	540	1870	130	1.19	8	540	1925	165	1.22	75
550-559	2	550	1970	42	1.18	3	550	2113	31	1.27	5	550	2056	84	1.24	60
560-569	-	-	-	-	-	2	560	1980	57	1.13	2	560	1980	57	1.13	100
570-579	1	570	2120	-	1.14	-	-	-	-	-	1	570	2120	-	1.14	-
600-609	-	-	-	-	-	-	-	-	-	-	1	600	3160	-	1.46	-
TOTAL						95					191					50
MEAN	95	482	1434	366	1.26		488	1478	377	1.25		486	1465	390	1.25	

Table 51. Biological data by age class for yellow walleye caught in 114 mm mesh gillnets at Rorey Lake, NT, in November 1997.

AGE	TOTAL						
			Fork length (mm)		Round weight (g)		K
(y)	n	%	mean	SD	mean	SD	
8	1	5	440		1100		1.29
11	1	5	450		1200		1.32
14	3	14	503	29	1673	326	1.32
15	3	14	510	26	1787	181	1.35
16	2	10	515	7	1870	99	1.37
17	5	24	518	37	1964	517	1.39
18	1	5	570		2600		1.40
19	2	10	520	14	1790	71	1.27
20	1	5	500		1680		1.34
23	1	5	480		1620		1.46
26	1	5	580		2720		1.39
TOTAL	21	102*					
MEAN			510	37	1830	443	1.35
MEAN AGE	16.6						

* Percentages do not equal 100 due to rounding of numbers.

Table 52. Biological data by length interval for yellow walleye caught in 114 mm mesh gillnets at Rorey Lake, NT, in November 1997.

LENGTH	TOTAL				
INTERVAL		Fork length (mm)	Round weight (g)		K
(mm)	n	mean	mean	SD	
440-449	1	440	1100		1.29
450-459	1	450	1200		1.32
470-479	2	470	1310	14	1.26
480-489	2	480	1600	28	1.45
500-509	2	500	1640	57	1.31
510-519	2	510	1770	42	1.33
520-529	5	520	1956	144	1.39
530-539	3	530	1920	122	1.29
570-579	2	570	2620	28	1.41
580-589	1	580	2720		1.39
TOTAL	21				
MEAN		510	1830	443	1.35

Table 53. Biological data by length interval for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Tagatui Lake, NT, in November and December 1996.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
270-279	2	273	270	14	1.33	-	-	-	-	-	2	273	270	14	1.33	-
280-289	1	280	280	-	1.28	1	280	290	-	1.32	2	280	285	7	1.30	50
290-299	1	297	380	-	1.45	1	290	380	-	1.56	2	294	380	0	1.50	50
300-309	4	303	375	13	1.35	4	300	378	17	1.40	8	301	376	14	1.38	50
310-319	4	310	418	57	1.40	3	310	413	31	1.39	7	310	416	44	1.40	43
320-329	1	320	440	-	1.34	4	323	503	42	1.50	5	322	490	46	1.47	80
330-339	4	331	475	29	1.31	1	330	490	-	1.36	5	331	478	26	1.32	20
340-349	1	340	510	-	1.30	4	343	563	22	1.40	5	342	552	30	1.38	80
370-379	2	373	710	14	1.37	2	370	690	71	1.36	4	371	700	43	1.37	50
380-389	1	385	830	-	1.45	3	380	757	32	1.38	4	381	775	45	1.40	75
390-399	2	390	775	78	1.31	1	390	770	-	1.30	3	390	773	55	1.30	33
410-419	1	410	980		1.42	-	-	-	-	-	1	410	980	-	1.42	-
440-449	-	-	-	-	-	1	440	1180	-	1.39	1	440	1180	-	1.39	100
460-469	-	-	-	-	-	1	460	1560	-	1.60	1	460	1560	-	1.60	100
TOTAL	24					26					50					52
MEAN		328	500	194	1.36		341	590	275	1.41		335	547	241	1.39	

Table 54. Biological data by age class for lake trout caught in 114 mm mesh gillnets at Turton Lake, NT, in March 1996.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
6	-	-	-	-	-	-	-	2	11	585	21	2240	311	1.11	2	5	585	21	2240	311	1.11	100
8	3	16	520	0	1473	49	1.05	3	16	557	46	1817	441	1.04	6	16	538	35	1645	338	1.05	50
9	2	11	560	14	1680	141	0.96	1	5	580	-	2050	-	1.05	3	8	567	15	1803	236	0.99	33
10	2	11	565	7	1780	0	0.99	2	11	530	14	1650	184	1.11	4	11	548	22	1715	130	1.05	50
11	2	11	530	14	1555	233	1.04	3	16	530	56	1660	579	1.09	5	13	530	40	1618	430	1.07	60
12	3	16	550	36	1940	272	1.17	-	-	-	-	-	-	-	3	8	550	36	1940	272	1.17	0
13	2	11	580	57	2025	629	1.02	2	11	525	7	1275	332	0.88	4	11	553	46	1650	597	0.95	50
14	1	5	600	-	2540	-	1.18	1	5	590	-	2460	-	1.20	2	5	595	7	2500	57	1.19	50
15	1	5	650	-	3040	-	1.11	1	5	600	-	2100	-	0.97	2	5	625	35	2570	665	1.04	50
16	1	5	620	-	2110	-	0.89	2	11	580	0	2280	57	1.17	3	8	593	23	2223	106	1.07	67
17	-	-	-	-	-	-	-	1	5	580	-	2050	-	1.05	1	3	580	-	2050	-	1.05	100
18	1	5	580	-	2370	-	1.21	1	5	610	-	2750	-	1.21	2	5	595	21	2560	269	1.21	50
20	1	5	550	-	1750	-	1.05	-	-	-	-	-	-	-	1	3	550	-	1750	-	1.05	0
TOTAL	19	101*						19	101*						38	101*						50
MEAN			562	39	1902	445	1.06			561	38	1933	473	1.07			562	38	1917	453	1.07	
MEAN AGE	12.1							11.6							11.8							

* Percentages do not equal 100 due to rounding of numbers.

Table 55. Biological data by length interval for lake trout caught in 114 mm mesh gillnets at Turton Lake, NT in March 1996.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
450-474	-	-	-	-	-	1	470	1150	-	1.11	1	470	1150	-	1.11	100
500-524	6	518	1503	169	1.08	2	520	1280	339	0.91	8	519	1448	218	1.04	25
525-549	3	540	1680	87	1.07	5	534	1594	132	1.05	8	536	1626	119	1.05	63
550-574	8	560	1825	210	1.04	4	563	2050	50	1.15	12	561	1900	203	1.08	33
575-599	3	583	2250	120	1.13	7	583	2241	148	1.13	10	583	2244	133	1.13	70
600-624	9	608	2448	180	1.09	5	606	2428	242	1.09	14	607	2441	195	1.09	36
625-649	1	630	2530	-	1.01	-	-	-	-	-	1	630	2530	-	1.01	0
650-674	1	650	3040	-	1.11	-	-	-	-	-	1	650	3040	-	1.11	0
TOTAL	31					24					55					44
MEAN		571	2033	451	1.08		564	1988	441	1.09		568	2013	443	1.08	

Table 56. Structures used for determining the age of fishes collected from lakes in the Sahtu Dene and Metis Settlement area between 1996 and 2000.

Location	Year	Species						
		Burbot	Cisco	Inconnu	Lake trout	Lake Whitefish	Northern pike	Yellow walleye
Aubry Lake	1999	otolith	-	-	pelvic fin	pelvic fin	-	-
Bandy Lake	2000	-	-	-	-	-	-	-
Lac Belot	1999	otolith	-	-	pelvic fin	-	-	-
Colville Lake	1999	otolith	-	-	pelvic fin	pelvic fin	pelvic fin	-
Kelly Lake	1998	otolith	-	scale	otolith	scale	pelvic fin	-
Loon Lake	1997	-	-	-	otolith	-	pelvic fin	-
Mahony Lake	1996	-	-	-	pelvic fin	pelvic fin	pelvic fin	-
Manuel Lake	1997	otolith	-	-	otolith	otolith	pelvic fin	-
Mirror Lake	2000	-	-	-	-	-	-	-
Rorey Lake	1997	-	-	-	pelvic fin	pelvic fin	-	dorsal spine
Tagatui Lake	1996	-	-	-	-	pelvic fin	pelvic fin	-
Turton Lake	1996	-	-	-	otolith	pelvic fin	-	-

Table 57. Tissue heavy metals analyses of fishes collected from lakes in the Sahtu Dene and Metis Settlement area between 1996 and 2000.

Location	Year	Muscle Tissue Metal Analyses			
		As	Hg	Me Hg	Se
Aubry Lake	1999	-	BU, LT, LW	-	-
Bandy Lake	2000	-	CO, NP	-	CO, NP
Lac Belot	1999	-	BU, LT,	-	-
Colville Lake	1999	-	BU, LT, LW, NP	-	-
Kelly Lake	1998	BU, IN, LT, LW, NP	BU, IN, LT, LW, NP	NP	BU, IN, LT, LW, NP
Loon Lake	1997	-	LT, NP	-	-
Mahony Lake	1996	LT, LW, NP	LT, LW, NP	NP	LT, LW, NP
Manuel Lake	1997	BU, LW	BU, LT, LW, NP	-	BU, LW
Mirror Lake	2000	-	BU, LT, LW	-	BU, LT, LW
Rorey Lake	1997	LT	LT	-	LT
Tagatui Lake	1996	LW, NP	LW, NP	-	LW, NP
Turton Lake	1996	-	LT, LW	-	-

BU = burbot, CO = cisco, IN = inconnu, LT = lake trout, LW = lake whitefish, NP = northern pike, YW = yellow walleye

Appendix 1. Description of the relative stages of maturity used for northern fish (after Falk *et al.* 1982).

MATURITY FLOW CHART

IMMATURE **MATURE** **RIPE** **SPENT** **RESTING**

Maturity Stage		Female		Male
Immature (virgin)	**1**	- ovaries granular in texture - hard and triangular in shape - membrane firm - eggs distinguishable	**6**	- testes long and thin - tubular and scalloped in shape - up to full body lenfth - putty-like firmness
Mature	**2**	- current year spawner - ovary fills body cavity - eggs near full size but not loose - not expelled by pressure	**7**	- current year spawner - testes large and lobate - white to purplish in colour - centers may be fluid - milt not expelled by pressure
Ripe	**3**	- ovaries greatly extended and fill body cavity - eggs full-sized and transparent - expelled by slight pressure	**8**	- testes full-sized - white and lobate - milt expelled by slight pressure
Spent	**4**	- spawning complete - ovaries ruptured and flaccid - seed eggs visible - some retained eggs in body cavity	**9**	- spawning complete - testes flacid with some milt - blood vessels obvious - testes violet-pink in colour
Resting	**5**	- ovary 40-50% of body cavity - membrane thin, loose, semi-transparent - healed from spawning - seed eggs apparent with few atretic eggs - some eggs may be retained in body cavity	**10**	- testes tubular, less lobate - healed from spawning - no fluid in center - usually full length - mottled and purplish in colour
Unknown (virgin)	**0**	- cannot be sexed - gonads long or short and thin - transparent or translucent		
Unknown (non-virgin)	**11**	- resting fish - has spawned but gonads regenerated - sexing not possible		

Appendix 2. Biological and tissue metals data from fish captured at Aubry Lake, NT, in November and December 1999, organized by species, collection date, and gillnet mesh size.

Date (yyyymmdd)	Gillnet mesh (mm)	Sample number: Field collection	Sample number: Lockhart	Sample number: Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition factor	Total Hg in flesh (µg/g wet wt)
BURBOT (*Lota lota*)									
19991127	140	498	2612	00/F644	500	1060	10	0.85	0.121
19991129	89	524	2613	00/F670	600	1880	12	0.87	0.119
19991130	114	537	2614	00/F683	530	1270	11	0.85	0.139
19991130	114	538	2615	00/F684	480	840	10	0.76	0.090
19991201	114	547	2616	00/F693	550	1520	8	0.91	0.104
19991201	140	553	2617	00/F699	680	2440	10	0.78	0.112
19991202	114	556	2618	00/F702	570	1480	10	0.80	0.101
19991202	114	557	2619	00/F703	550	1410	9	0.85	0.076
LAKE TROUT (*Salvelinus namaycush*)									
19991126	89	455	2437	00/F601	700	3700	13	1.08	0.429
19991126	89	456	2438	00/F602	700	4400	12	1.28	0.427
19991126	89	457	2439	00/F603	750	4160		0.99	0.408
19991126	89	458	2440	00/F604	600	2340	8	1.08	0.329
19991126	89	459	2441	00/F605	550	2090	9	1.26	0.325
19991126	89	460	2442	00/F606	560	2000		1.14	0.252
19991126	89	461	2443	00/F607	500	1480	8	1.18	0.197
19991126	114	463	2444	00/F609	640	2620	11	1.00	0.390
19991126	114	464	2445	00/F610	580	1880	10	0.96	0.253
19991126	114	465	2446	00/F611	650	3070	12	1.12	0.372
19991126	114	466	2447	00/F612	650	2930	11	1.07	0.213
19991126	114	467	2448	00/F613	530	1680	7	1.13	0.217
19991126	114	468	2449	00/F614	580	1950	8	1.00	0.283
19991126	114	469	2450	00/F615	520	1750	7	1.24	0.156
19991126	114	470	2451	00/F616	520	1750	6	1.24	0.207
19991126	140	471	2452	00/F617	550	2060	9	1.24	0.219
19991126	140	472	2453	00/F618	620	2840	10	1.19	0.232
19991126	140	473	2454	00/F619	520	1880		1.34	0.129
19991126	140	474	2455	00/F620	550	1580	7	0.95	0.183
19991126	140	475	2456	00/F621	570	2280	10	1.23	0.264
19991126	140	476	2457	00/F622	570	2230	7	1.20	0.249
19991126	140	477	2458	00/F623	540	2120	7	1.35	0.161
19991126	140	478	2459	00/F624	550	1760	7	1.06	0.208
19991126	140	479	2460	00/F625	550	1590	13	0.96	0.206
19991126	140	480	2461	00/F626	520	1740	8	1.24	0.183
19991127	89	482	2462	00/F628	580	2400	11	1.23	0.192
19991127	89	483	2463	00/F629	570	2600	14	1.40	0.253
19991127	89	484	2464	00/F630	560	2050	12	1.17	0.218
19991127	89	485	2465	00/F631	700	3770	15	1.10	0.371
19991127	114	486	2466	00/F632	630	3470	19	1.26	0.442
19991127	114	487	2467	00/F633	600	2600	18	1.20	0.173
19991127	114	488	2468	00/F634	560	1990	13	1.13	0.225

Date (yyyymmdd)	Gillnet mesh (mm)	Sample number: Field collection	Lockhart	Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition factor	Total Hg in flesh (µg/g wet wt)
19991127	114	489	2469	00/F635	580	2160	12	1.11	0.213
19991127	114	490	2470	00/F636	550	2060	10	1.24	0.207
19991127	114	491	2471	00/F637	580	2160	11	1.11	0.177
19991127	140	492	2472	00/F638	580	2070	14	1.06	0.305
19991127	140	493	2473	00/F639	510	1710	10	1.29	0.259
19991127	140	494	2474	00/F640	550	2040	12	1.23	0.248
19991127	140	495	2475	00/F641	480	1330	8	1.20	0.171
19991128	89	499	2476	00/F645	600	2110	13	0.98	0.334
19991128	89	500	2477	00/F646	550	1890	13	1.14	0.334
19991128	89	501	2478	00/F647	580	2230	15	1.14	0.324
19991128	89	502	2479	00/F648	550	1620		0.97	0.183
19991128	89	503	2480	00/F649	580	1910		0.98	0.291
19991128	89	504	2481	00/F650	540	1720	10	1.09	0.232
19991128	114	507	2482	00/F653	660	3110	18	1.08	0.400
19991128	114	508	2483	00/F654	550	2030	9	1.22	0.283
19991128	140	509	2484	00/F655	880	6680	26	0.98	0.637
19991128	140	510	2485	00/F656	700	3470	17	1.01	0.246
19991128	140	511	2486	00/F657	600	1750	13	0.81	0.321
19991128	140	512	2487	00/F658	450	1100	9	1.21	0.154
19991128	140	513	2488	00/F659	450	1090	9	1.20	0.167
19991128	140	514	2489	00/F660	600	2740		1.27	0.260
19991128	140	515	2490	00/F661	450	1270	7	1.39	0.131
19991129	89	516	2491	00/F662	750	4700	15	1.11	0.254
19991129	89	517	2492	00/F663	550	1980	12	1.19	0.233
19991129	89	518	2493	00/F664	530	1740	11	1.17	0.244
19991129	89	521	2494	00/F667	430	930		1.17	0.151
19991129	89	523	2495	00/F669	500	1760	23	1.41	0.065
19991129	114	525	2496	00/F671	600	1530	8	0.71	0.189
19991129	114	526	2497	00/F672	560	1750	11	1.00	0.316
19991129	114	527	2498	00/F673	530	1500	7	1.01	0.215
19991129	114	528	2499	00/F674	500	1540	6	1.23	0.170
19991129	140	530	2500	00/F676	570	1790	14	0.97	0.212
19991130	89	531	2501	00/F677	600	2290	14	1.06	0.252
19991130	89	532	2502	00/F678	550	1760		1.06	0.212
19991130	114	535	2503	00/F681	570	2850	10	1.54	0.236
19991130	140	539	2504	00/F685	600	1910	12	0.88	0.322
19991130	140	540	2505	00/F686	650	2910	18	1.06	0.324
19991130	140	541	2506	00/F687	550	1820	15	1.09	0.244
19991201	89	543	2507	00/F689	500	1700		1.36	0.143
19991201	89	544	2508	00/F690	570	1880		1.02	0.160
19991201	89	545	2509	00/F691	550	1920	12	1.15	0.224
19991201	114	546	2510	00/F692	660	3520		1.22	0.292
19991201	140	548	2511	00/F694	600	2560		1.19	
19991201	140	549	2512	00/F695	570	2220		1.20	0.277
19991201	140	550	2513	00/F696	580	1960	10	1.00	0.234
19991201	140	551	2514	00/F697	580	1940		0.99	0.276
19991202	89	554	2515	00/F700	640	2830	16	1.08	0.290
19991202	89	555	2516	00/F701	530	1760	8	1.18	

Date (yyyymmdd)	Gillnet mesh (mm)	Sample number: Field collection	Lockhart	Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition factor	Total Hg in flesh (µg/g wet wt)
19991202	140	558	2517	00/F704	550	2160	14	1.30	
19991202	140	559	2518	00/F705	560	1950	9	1.11	0.208
19991202	140	560	2519	00/F706	550	1950	15	1.17	0.268
19991203	89	561	2520	00/F707	750	4840	20	1.15	
19991203	89	562	2521	00/F708	550	1880	7	1.13	
19991203	89	563	2522	00/F709	550	1900	7	1.14	0.195
19991203	89	564	2523	00/F710	550	2200		1.32	0.232
19991203	114	565	2524	00/F711	550	2030	8	1.22	0.180
19991203	140	567	2525	00/F713	650	3600	14	1.31	0.261
19991204	89	568	2526	00/F714	590	2290	7	1.12	0.268
19991204	114	569	2527	00/F715	600	2760	20	1.28	0.385
19991204	114	570	2528	00/F716	650	2950	13	1.07	0.165
19991204	114	571	2529	00/F717	460	1320	7	1.36	0.375
19991204	114	572	2530	00/F718	470	1340	7	1.29	
19991204	140	573	2531	00/F719	550	1920	10	1.15	
19991204	140	574	2532	00/F720	550	2070	9	1.24	
LAKE WHITEFISH (*Coregonus clupeaformis*)									
19991126	89	462	2656	00/F608	500	1620	16	1.30	0.033
19991126	140	481	2657	00/F627	470	1410	11	1.36	0.033
19991127	140	496	2658	00/F642	530	2070	21	1.39	0.058
19991127	140	497	2659	00/F643	450	990	9	1.09	0.033
19991128	89	505	2660	00/F651	510	1710	19	1.29	0.057
19991128	89	506	2661	00/F652	520	1660	19	1.18	0.058
19991129	89	522	2662	00/F668	530	2050	15	1.38	0.048
19991129	114	529	2663	00/F675	550	1670	19	1.00	0.083
19991130	89	533	2664	00/F679	530	2040	22	1.37	0.067
19991130	89	534	2665	00/F680	500	1380	13	1.10	0.042
19991130	114	536	2666	00/F682	500	1660	18	1.33	0.067
19991130	140	542	2667	00/F688	500	1440	18	1.15	0.016
19991201	140	552	2668	00/F698	550	2170	31	1.30	0.051
19991203	114	566	2669	00/F712	460	1230	12	1.26	0.020

[1] total length for burbot.

Appendix 3. Biological and tissue metals data for fish captured at Bandy Lake in March and April 2000, organized by species, collection date and gillnet mesh size.

DATE	Gillnet	Sample Number			Fork	Round	Age	Sex	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	(y)		Factor			
	(mm)	Collection		Lab	(mm)	(g)				As	Hg	Se
CISCO (*Coregonus* sp.)												
20000331	89	9		00/F1720	330	460			1.28	0.067	0.112	0.26
20000331	89	12		00/F1723	345	520			1.27	<0.050	0.282	0.27
20000331	89	13		00/F1724	330	450			1.25	<0.050	0.293	0.24
20000331	89	14		00/F1725	310	390			1.31	<0.050	0.040	0.26
20000331	89	15		00/F1726	325	400			1.17	<0.050	0.223	0.25
20000331	89	16		00/F1727	293	320			1.27	<0.050	0.133	0.25
20000401	89	26		00/F1736	325	450			1.31	<0.050	0.396	0.17
20000401	89	27		00/F1737	300	360			1.33	0.052	0.436	0.29
20000401	89	28		00/F1738	325	450			1.31	<0.050	0.347	0.24
20000401	89	29		00/F1739	315	400			1.28	<0.050	0.322	0.21
20000402	89	20		00/F1730	335	490			1.30	<0.050	0.100	0.27
20000402	140	21		00/F1731	250	180			1.15	0.051	0.051	0.24
20000403	89	19A		00/F1744	360	590			1.26	0.059	0.440	0.23
20000403	89	20A		00/F1745	340	490			1.25	0.055	0.086	0.34
20000403	89	21A		00/F1746	330	460			1.28	<0.050	0.110	0.34
20000403	89	22A		00/F1747	305	380			1.34	0.053	0.507	0.23
20000403	89	23A		00/F1748	320	420			1.28	<0.050	0.262	0.24
20000403	89	24A		00/F1749	335	460			1.22	<0.050	0.115	0.26
20000403	89	25A		00/F1750	300	380			1.41	0.051	0.087	0.22
NORTHERN PIKE (*Esox lucius*)												
20000326	89	1			480	890			0.80			
20000326	89	2			535	1070			0.70			
20000326	89	3			445	630			0.71			
20000330	0	4		00/F1715	650	2430			0.88	<0.050	0.441	0.24
20000330	0	5		00/F1716	530	1090			0.73	<0.050	0.417	0.21
20000331	114	6		00/F1717	775	4400			0.95	0.053	0.542	0.26
20000331	89	7		00/F1718	750	3480			0.82	<0.050	0.751	0.24
20000331	89	8		00/F1719	700	2670			0.78	<0.050	0.389	0.22
20000331	89	10		00/F1721	560	1340			0.76	0.051	0.342	0.23
20000331	89	11		00/F1722	480	810			0.73	0.050	0.448	0.21
20000401	89	30		00/F1740	492	890			0.75	<0.050	0.399	0.25
20000401	89	31		00/F1741	575	1520			0.80	0.082	0.332	0.25
20000401	89	32		00/F1742	515	1020			0.75	<0.050	0.414	0.24
20000401	89	33		00/F1743	637	2190			0.85	0.050	0.512	0.24
20000402	89	19		00/F1729	580	1500			0.77	<0.050	0.134	0.22
20000402	114	22		00/F1732	730	3290			0.85	<0.050	0.106	0.23
20000402	114	23		00/F1733	550	1290			0.78	0.053	0.063	0.27
20000403	89	18		00/F1728	505	1000			0.78	<0.050	0.407	0.25
20000403	89	26A		00/F1751	580	1560			0.80	0.051	0.091	0.37
20000403	89	27A		00/F1752	585	1500			0.75	0.059	0.128	0.24
20000403	89	28A		00/F1753	530	910			0.61	0.060	0.085	0.21
20000403	89	29A		00/F1754	500	960			0.77	0.051	0.141	0.28

Appendix 4. Biological and tissue metals data for fish captured from Lac Belot in December 1999, organized by species, collection date, and gillnet mesh size.

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number: Field collection	Sample Number: Lockhart	Sample Number: Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition factor	Total Hg in flesh (µg/g wet wt)
BURBOT (*Lota lota*)									
19991207	89	579	02620	00/F725	510	1190	10	0.90	0.161
19991207	89	580	02621	00/F726	490	900	9	0.76	0.085
19991207	114	584	02622	00/F730	580	1630	14	0.84	0.170
19991207	140	588	02623	00/F734	510	1170	14	0.88	0.083
19991208	114	601	02624	00/F747	560	1750	13	1.00	0.155
19991209	89	603	02625	00/F749	450	960	11	1.05	0.125
LAKE TROUT (*Salvelinus namaycush*)									
19991207	89	575	02533	00/F721	600	3090	10	1.43	0.286
19991207	89	576	02534	00/F722	630	2580	14	1.03	0.301
19991207	89	577	02535	00/F723	650	3320		1.21	0.344
19991207	89	578	02536	00/F724	580	2180	6	1.12	0.134
19991207	114	581	02537	00/F727	620	2980	18	1.25	0.107
19991207	114	582	02538	00/F728	600	2790	15	1.29	0.192
19991207	114	583	02539	00/F729	620	2720		1.14	0.188
19991207	140	585	02540	00/F731	640	3150	11	1.20	0.258
19991207	140	586	02541	00/F732	600	2540	8	1.18	0.131
19991207	140	587	02542	00/F733	630	3150	23	1.26	0.141
19991208	89	589	02543	00/F735	680	4030	19	1.28	0.247
19991208	89	590	02544	00/F736	600	2820		1.31	0.227
19991208	89	591	02545	00/F737	530	1780	7	1.20	0.136
19991208	114	592	02546	00/F738	640	3450	18	1.32	0.134
19991208	114	593	02547	00/F739	640	3260		1.24	0.350
19991208	114	594	02548	00/F740	680	3770	26	1.20	0.235
19991208	114	595	02549	00/F741	700	3800	14	1.11	0.284
19991208	114	596	02550	00/F742	620	3190	11	1.34	0.210
19991208	114	597	02551	00/F743	600	2710		1.25	0.107
19991208	114	598	02552	00/F744	540	1930	10	1.23	0.196
19991208	114	599	02553	00/F745	590	2410	12	1.17	0.241
19991208	114	600	02554	00/F746	680	3400	13	1.08	0.283
19991208	140	602	02555	00/F748	650	2870	13	1.05	0.156
19991209	114	604	02556	00/F750	650	3230	10	1.18	0.308
19991209	114	605	02557	00/F751	700	4100	18	1.20	0.291
19991209	114	606	02558	00/F752	650	2930	15	1.07	0.099
19991210	89	607	02559	00/F753	620	2660	16	1.12	0.261
19991210	114	608	02560	00/F754	680	3210	19	1.02	0.321
19991210	114	609	02561	00/F755	600	2590		1.20	0.212
19991210	140	610	02562	00/F756	650	3310	22	1.21	0.226
19991210	140	611	02563	00/F757	600	3350		1.55	0.109
19991211	114	612	02564	00/F758	640	3300	22	1.26	0.271
19991211	114	613	02565	00/F759	600	3000	16	1.39	0.145

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number			Fork length (mm)[1]	Round weight (g)	Age (y)	Condition factor	Total Hg in flesh (µg/g wet wt)
		Field collection	Lockhart	Metals Lab					
19991212	89	614	02566	00/F760	380	660	3	1.20	0.117
19991212	89	615	02567	00/F761	430	950	6	1.19	0.078
19991212	114	616	02568	00/F762	620	3260	20	1.37	0.162
19991212	114	617	02569	00/F763	600	3340		1.55	0.161
19991212	114	618	02570	00/F764	600	2930		1.36	0.101
19991212	114	619	02571	00/F765	640	2820	11	1.08	0.338
19991212	140	620	02572	00/F766	640	3120	13	1.19	0.184
19991213	114	621	02573	00/F767	650	3120	13	1.14	0.256
19991213	114	622	02574	00/F768	620	3130	8	1.31	0.112
19991213	140	623	02575	00/F769	680	3940	17	1.25	0.275
19991214	89	624	02576	00/F770	650	2880	10	1.05	0.228
19991214	114	625	02577	00/F771	620	2950	10	1.24	0.314
19991214	114	626	02578	00/F772	650	3060	15	1.11	0.251
19991214	114	627	02579	00/F773	600	2740	15	1.27	0.245
19991214	114	628	02580	00/F774	620	2860	10	1.20	0.134
19991214	114	629	02581	00/F775	680	3780	16	1.20	0.296
19991214	114	630	02582	00/F776	560	2240	7	1.28	0.149
19991214	140	631	02583	00/F777	560	2510	7	1.43	0.181
19991215	89	632	02584	00/F778	600	2870	11	1.33	0.297
19991215	114	633	02585	00/F779	620	2970	10	1.25	0.209
19991215	114	634	02586	00/F780	620	2980	10	1.25	0.241

[1] total length for burbot

Appendix 5. Biological and tissue metals data from fish captured at Colville Lake in November 1999, organized by species, collection date, and gillnet mesh size.

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number			Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
		Field Collection	Lockhart	Metals Lab					
BURBOT (*Lota lota*)									
19991112	89	40	02596	00/F186	500	1860	9	1.49	0.064
19991112	89	41	02597	00/F187	450	780	9	0.86	0.127
19991112	114	65	02598	00/F211	580	1530	11	0.78	0.096
19991112	114	66	02599	00/F212	560	1910	14	1.09	0.130
19991112	140	11	02594	00/F157	785	2760	13	0.57	0.118
19991112	140	12	02595	00/F158	664	2430	12	0.83	0.107
19991113	114	101	02600	00/F247	580	1550	12	0.79	0.110
19991114	114	143	02602	00/F289	540	1390	9	0.88	0.135
19991114	140	122	02601	00/F268	600	2120	11	0.98	0.132
19991116	114	244	02603	00/F390	550	1220	8	0.73	0.101
19991116	140	255	02604	00/F401	750	3060	24	0.73	0.227
19991117	114	305			550	1380	9	0.83	
19991117	140	315			650	2450	14	0.89	
19991118	114	345	02605	00/F491	550	1600	9	0.96	0.106
19991118	114	346	02606	00/F492	550	1360	13	0.82	0.084
19991119	114	403	02607	00/F549	650	1660	14	0.60	0.098
19991119	114	404	02608	00/F550	500	1090		0.87	0.089
19991120	140	452	02609	00/F598	600	2910	11	1.35	0.111
19991120	140	453	02610	00/F599	700	2640	15	0.77	0.198
19991120	140	454	02611	00/F600	600	2430	9	1.13	0.057
LAKE TROUT (*Salvelinus namaycush*)									
19991112	89	22	02210	00/F168	545	1400	10	0.86	0.336
19991112	89	23	02211	00/F169	620	2070	13	0.87	0.227
19991112	89	24	02212	00/F170	555	1830		1.07	0.207
19991112	89	25	02213	00/F171	550	1480	10	0.89	0.254
19991112	89	26	02214	00/F172	450	1000	6	1.10	0.124
19991112	89	27	02215	00/F173	575	1800	12	0.95	0.274
19991112	89	28	02216	00/F174	565	1640		0.91	0.164
19991112	89	29	02217	00/F175	580	2060	12	1.06	0.301
19991112	89	30	02218	00/F176	580	1990		1.02	0.209
19991112	89	31	02219	00/F177	510	1440	8	1.09	0.214
19991112	89	32	02220	00/F178	570	2110	9	1.14	0.263
19991112	89	33	02221	00/F179	560	1680	8	0.96	0.159
19991112	89	34	02222	00/F180	540	1660		1.05	0.164
19991112	89	35	02223	00/F181	520	1630		1.16	0.138
19991112	89	36	02224	00/F182	550	2090		1.26	0.246
19991112	89	37	02225	00/F183	590	2570		1.25	0.154
19991112	114	43	02226	00/F189	540	1890	12	1.20	0.208
19991112	114	44	02227	00/F190	540	2110	12	1.34	0.193
19991112	114	45	02228	00/F191	480	1210	4	1.09	0.090

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number			Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
		Field Collection	Lockhart	Metals Lab					
19991112	114	46	02229	00/F192	570	2080	9	1.12	0.317
19991112	114	47	02230	00/F193	550	2080	11	1.25	0.232
19991112	114	48	02231	00/F194	600	2130		0.99	0.235
19991112	114	49	02232	00/F195	570	1620	7	0.87	0.252
19991112	114	50	02233	00/F196	480	1690		1.53	0.231
19991112	114	51	02234	00/F197	520	1970	10	1.40	0.201
19991112	114	52	02235	00/F198	480	1230	6	1.11	0.104
19991112	114	53	02236	00/F199	480	1600		1.45	0.197
19991112	114	54	02237	00/F200	480	1190	8	1.08	0.147
19991112	114	55	02238	00/F201	580	1820	9	0.93	0.282
19991112	114	56	02239	00/F202	550	1810	7	1.09	0.313
19991112	114	57	02240	00/F203	500	1480	6	1.18	0.124
19991112	114	58	02241	00/F204	530	1480	6	0.99	0.176
19991112	140	1	02197	00/F147	615	2540	17	1.09	0.175
19991112	140	2	02198	00/F148	621	3060	18	1.28	0.240
19991112	140	3	02199	00/F149	561	2090	13	1.18	0.204
19991112	140	4	02200	00/F150	570	1810	10	0.98	0.203
19991112	140	5	02201	00/F151	555	1690	11	0.99	0.150
19991112	140	14	02202	00/F160	640	2970	12	1.13	0.180
19991112	140	15	02203	00/F161	535	1780	8	1.16	0.100
19991112	140	16	02204	00/F162	590	1710	8	0.83	0.152
19991112	140	17	02205	00/F163	580	1770	8	0.91	0.298
19991112	140	18	02206	00/F164	515	1500	5	1.10	0.093
19991112	140	19	02207	00/F165	650	2240	11	0.82	0.291
19991112	140	20	02208	00/F166	530	1610	13	1.08	0.172
19991112	140	21	02209	00/F167	575	2050	12	1.08	0.209
19991113	114	86	02252	00/F232	570	1940		1.05	0.164
19991113	114	87	02253	00/F233	520	1660		1.18	0.176
19991113	114	88	02254	00/F234	580	2020		1.04	0.264
19991113	114	89	02255	00/F235	550	1810		1.09	0.228
19991113	114	90	02256	00/F236	590	1690		0.82	0.347
19991113	114	91	02257	00/F237	570	2040		1.10	0.190
19991113	114	92	02258	00/F238	490	1590		1.35	0.194
19991113	114	93	02259	00/F239	480	1280		1.16	0.084
19991113	114	94	02260	00/F240	500	1480	7	1.18	0.101
19991113	114	95	02261	00/F241	590	1620		0.79	0.294
19991113	140	67	02242	00/F213	580	2100	19	1.08	0.455
19991113	140	68	02243	00/F214	600	1870	15	0.87	0.407
19991113	140	69	02244	00/F215	600	1870		0.87	0.307
19991113	140	70	02245	00/F216	590	2360		1.15	0.290
19991113	140	71	02246	00/F217	500	1550		1.24	0.103
19991113	140	72	02247	00/F218	580	1620		0.83	0.254
19991113	140	73	02248	00/F219	480	1240	6	1.12	0.102
19991113	140	74	02249	00/F220	560	1460		0.83	0.224
19991113	140	75	02250	00/F221	540	1890	11	1.20	0.238
19991113	140	76	02251	00/F222	570	1840	13	0.99	0.248
19991114	89	145	02282	00/F291	420	970	7	1.31	0.088
19991114	89	146	02283	00/F292	460	1090	6	1.12	0.118

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number: Field Collection	Lockhart	Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
19991114	89	147	02284	00/F293	350	440	5	1.03	0.069
19991114	89	148	02285	00/F294	370	440	6	0.87	0.078
19991114	89	149	02286	00/F295	450	1040	6	1.14	0.095
19991114	89	150	02287	00/F296	440	900	5	1.06	0.074
19991114	89	151	02288	00/F297	350	500	3	1.17	0.070
19991114	114	123	02272	00/F269	450	960	5	1.05	0.092
19991114	114	124	02273	00/F270	480	1270	6	1.15	0.115
19991114	114	125	02274	00/F271	540	1790	7	1.14	0.298
19991114	114	126	02275	00/F272	480	1250		1.13	0.113
19991114	114	127	02276	00/F273	520	1280	6	0.91	0.101
19991114	114	128	02277	00/F274	500	1530	13	1.22	0.206
19991114	114	129	02278	00/F275	520	1560	8	1.11	0.133
19991114	114	130	02279	00/F276	460	880		0.90	0.206
19991114	114	131	02280	00/F277	440	1150	6	1.35	0.114
19991114	114	132	02281	00/F278	480	1250	7	1.13	0.121
19991114	140	102	02262	00/F248	490	1460	10	1.24	0.106
19991114	140	103	02263	00/F249	550	1780		1.07	0.471
19991114	140	104	02264	00/F250	460	1580	9	1.62	0.150
19991114	140	105	02265	00/F251	500	1580	8	1.26	0.110
19991114	140	106	02266	00/F252	550	1770	9	1.06	0.241
19991114	140	107	02267	00/F253	540	1780	10	1.13	0.133
19991114	140	108	02268	00/F254	550	1730		1.04	0.226
19991114	140	109	02269	00/F255	560	1980	12	1.13	0.130
19991114	140	110	02270	00/F256	480	1840	12	1.66	0.187
19991114	140	111	02271	00/F257	480	1540	9	1.39	0.094
19991115	89	162	02289	00/F308	440	690	4	0.81	0.092
19991115	89	163	02290	00/F309	430	620	4	0.78	0.083
19991115	89	164	02291	00/F310	470	1030	4	0.99	0.101
19991115	89	165	02292	00/F311	430	850	5	1.07	0.069
19991115	89	166	02293	00/F312	430	850	5	1.07	0.078
19991115	89	167	02294	00/F313	440	880	5	1.03	0.109
19991115	89	168	02295	00/F314	430	930	5	1.17	0.085
19991115	89	169	02296	00/F315	290	330	2	1.35	0.061
19991115	114	188	02297	00/F334	480	1470	12	1.33	0.104
19991115	114	189	02298	00/F335	460	330	6	0.34	0.104
19991115	114	190	02299	00/F336	450	1110	8	1.22	0.105
19991115	114	191	02300	00/F337	430	980	4	1.23	0.081
19991115	114	192	02301	00/F338	400	1020	5	1.59	0.090
19991115	114	193	02302	00/F339	460	1370		1.41	0.109
19991115	114	194	02303	00/F340	550	1920	9	1.15	0.251
19991115	114	195	02304	00/F341	550	2130		1.28	0.192
19991115	114	196	02305	00/F342	380	590	6	1.08	0.109
19991115	114	197	02306	00/F343	400	810	4	1.27	0.084
19991115	140	198	02307	00/F344	550	1950		1.17	0.323
19991115	140	199	02308	00/F345	490	920		0.78	0.154
19991115	140	200	02309	00/F346	580	1750	9	0.90	0.274
19991115	140	201	02310	00/F347	590	2500	14	1.22	0.249
19991115	140	202	02311	00/F348	500	1380		1.10	0.330

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number			Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
		Field Collection	Lockhart	Metals Lab					
19991115	140	203	02312	00/F349	450	1210	5	1.33	0.112
19991115	140	204	02313	00/F350	550	2050		1.23	0.220
19991115	140	205	02314	00/F351	600	2100		0.97	0.234
19991115	140	206	02315	00/F352	550	2220		1.33	0.249
19991115	140	207	02316	00/F353	450	1070	5	1.17	0.100
19991116	89	226	02317	00/F372	600	2220	9	1.03	0.262
19991116	89	227	02318	00/F373	550	1950	9	1.17	0.350
19991116	89	228	02319	00/F374	470	1150	9	1.11	0.333
19991116	89	229	02320	00/F375	450	1130	6	1.24	0.129
19991116	89	230	02321	00/F376	380	740	4	1.35	0.085
19991116	89	231	02322	00/F377	450	1100	6	1.21	0.104
19991116	89	232	02323	00/F378	450	920	6	1.01	0.091
19991116	89	233	02324	00/F379	300	350		1.30	0.047
19991116	114	234	02325	00/F380	546	1990		1.22	0.267
19991116	114	235	02326	00/F381	450	1280		1.40	0.107
19991116	114	236	02327	00/F382	550	1550	8	0.93	0.321
19991116	114	237	02328	00/F383	440	1210	7	1.42	0.098
19991116	114	238	02329	00/F384	450	1270	5	1.39	0.091
19991116	114	239	02330	00/F385	450	1170	4	1.28	0.079
19991116	114	240	02331	00/F386	450	970	5	1.06	0.096
19991116	114	241	02332	00/F387	450	1270	6	1.39	0.080
19991116	114	242	02333	00/F388	400	990	4	1.55	0.058
19991116	114	243	02334	00/F389	450	1080	4	1.19	0.091
19991116	140	263	02335	00/F409	600	2260	15	1.05	0.225
19991116	140	264	02336	00/F410			14		0.224
19991116	140	265	02337	00/F411	600	1770		0.82	0.235
19991116	140	266	02338	00/F412	550	2050		1.23	0.223
19991116	140	267	02339	00/F413	550		12		0.186
19991116	140	268	02340	00/F414	550	1440	6	0.87	0.193
19991116	140	269	02341	00/F415	550	1920		1.15	0.179
19991116	140	270	02342	00/F416	600	2230	15	1.03	0.251
19991116	140	271	02343	00/F417	550	1760	9	1.06	0.219
19991116	140	272	02344	00/F418	450	1010	6	1.11	0.113
19991117	89	283	02345	00/F429	600	2060	10	0.95	0.584
19991117	89	284	02346	00/F430	600	2610	8	1.21	0.305
19991117	89	285	02347	00/F431	550	1710	7	1.03	0.272
19991117	114	286	02348	00/F432	550	2140		1.29	0.160
19991117	114	287	02349	00/F433	570	1830	10	0.99	0.244
19991117	114	288	02350	00/F434	480	1310	6	1.18	0.097
19991117	114	289	02351	00/F435	550	1700	6	1.02	0.169
19991117	114	290	02352	00/F436	550	1110	4	0.67	0.090
19991117	114	291	02353	00/F437	450	1020	4	1.12	0.103
19991117	114	292	02354	00/F438	550	1770	7	1.06	0.216
19991117	114	293	02355	00/F439	550	1540	5	0.93	0.128
19991117	114	294	02356	00/F440	500	1460	5	1.17	0.120
19991117	114	295	02357	00/F441	450	1040	6	1.14	0.119
19991117	140	316	02358	00/F462		7000	28		0.551
19991117	140	317	02359	00/F463	350	770	7	1.80	0.143

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number			Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
		Field Collection	Lockhart	Metals Lab					
19991117	140	318	02360	00/F464	500	1570	6	1.26	0.333
19991117	140	319	02361	00/F465	500	1870	7	1.50	0.133
19991117	140	320	02362	00/F466	550	1500	6	0.90	0.137
19991117	140	321	02363	00/F467	500	1850	11	1.48	0.198
19991117	140	322	02364	00/F468	550	1420	11	0.85	0.236
19991117	140	323	02365	00/F469	350	640	11	1.49	0.159
19991117	140	324	02366	00/F470	500	1940		1.55	0.338
19991117	140	325	02367	00/F471	450	1400		1.54	0.117
19991118	89	326	02368	00/F472	550	2370		1.42	0.262
19991118	89	327	02369	00/F473	650	1940	17	0.71	0.458
19991118	89	328	02370	00/F474	500	1310	7	1.05	0.106
19991118	89	329	02371	00/F475	500	1130	5	0.90	0.099
19991118	114	347	02372	00/F493	550	1770	10	1.06	0.292
19991118	114	348	02373	00/F494	500	1130	14	0.90	0.345
19991118	114	349	02374	00/F495	550	1800	10	1.08	0.261
19991118	114	350	02375	00/F496	600	2090	12	0.97	0.268
19991118	114	351	02376	00/F497	600	2280	12	1.06	0.239
19991118	114	352	02377	00/F498	500	1840	10	1.47	0.249
19991118	114	353	02378	00/F499	500	1350	10	1.08	0.221
19991118	114	354	02379	00/F500	500	1400	7	1.12	0.133
19991118	114	355	02380	00/F501	500	1330	6	1.06	0.127
19991118	114	356	02381	00/F502	450	990	4	1.09	0.110
19991118	140	357	02382	00/F503	600	2190	13	1.01	0.306
19991118	140	358	02383	00/F504	550	1970	13	1.18	0.471
19991118	140	359	02384	00/F505	550	2370		1.42	0.247
19991118	140	360	02385	00/F506	550	1600	11	0.96	0.225
19991118	140	361	02386	00/F507	550	1980	15	1.19	0.286
19991118	140	362	02387	00/F508	600	2480		1.15	0.186
19991118	140	363	02388	00/F509	500	1330	6	1.06	0.140
19991118	140	364	02389	00/F510	500	2100		1.68	0.298
19991118	140	365	02390	00/F511	500	1530	12	1.22	0.180
19991118	140	366	02391	00/F512	550	1660		1.00	0.145
19991119	89	372	02392	00/F518	550	2310		1.39	0.338
19991119	89	373	02393	00/F519	500	1900	8	1.52	0.147
19991119	89	374	02394	00/F520	400	810		1.27	0.119
19991119	89	375	02395	00/F521	500	1240	8	0.99	0.119
19991119	89	376	02396	00/F522	400	870		1.36	0.112
19991119	89	377	02397	00/F523	450	1120		1.23	0.131
19991119	89	378	02398	00/F524	400	850	8	1.33	0.107
19991119	89	379	02399	00/F525	350	680	6	1.59	0.105
19991119	89	380	02400	00/F526	250	270	5	1.73	0.105
19991119	114	391	02401	00/F537	500	1990	10	1.59	0.233
19991119	114	392	02402	00/F538	500	1450	8	1.16	0.135
19991119	114	393	02403	00/F539	500	1770	7	1.42	0.157
19991119	114	394	02404	00/F540	550	1570	11	0.94	0.265
19991119	114	395	02405	00/F541	550	1880	14	1.13	0.236
19991119	114	396	02406	00/F542	550	1600		0.96	0.296
19991119	114	397	02407	00/F543	450	1270	10	1.39	0.161

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number: Field Collection	Lockhart	Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
19991119	114	398	02408	00/F544	550	1200	11	0.72	0.457
19991119	114	399	02409	00/F545	450	1280	10	1.40	0.158
19991119	114	400	02410	00/F546	450	1180	8	1.29	0.193
19991119	140	405	02411	00/F551	600	2280	13	1.06	0.337
19991119	140	406	02412	00/F552	600	2120	10	0.98	0.270
19991119	140	407	02413	00/F553	550	1770	11	1.06	0.319
19991119	140	408	02414	00/F554	550	1660	10	1.00	0.230
19991119	140	409	02415	00/F555	650	2770	21	1.01	0.377
19991119	140	410	02416	00/F556	550	1830	15	1.10	0.321
19991119	140	411	02417	00/F557	700	2990		0.87	0.333
19991119	140	412	02418	00/F558	600	2500	13	1.16	0.298
19991119	140	413	02419	00/F559	600	2030	12	0.94	0.236
19991119	140	414	02420	00/F560	550	1780	12	1.07	0.302
19991120	89	425	02421	00/F571	550	1350	8	0.81	0.160
19991120	89	426	02422	00/F572	450	1120	5	1.23	0.114
19991120	89	427	02423	00/F573	500	1220	6	0.98	0.131
19991120	89	428	02424	00/F574	450	830	4	0.91	0.095
19991120	89	429	02425	00/F575	350	660	7	1.54	0.020
19991120	89	431	02426	00/F577	300	390	6	1.44	0.015
19991120	89	432	02427	00/F578	350	570	9	1.33	0.023
19991120	114	435	02428	00/F581	550	2030		1.22	0.381
19991120	114	436	02429	00/F582	550	1550		0.93	0.395
19991120	114	437	02430	00/F583	600	2510		1.16	0.364
19991120	114	438	02431	00/F584	550	1880	14	1.13	0.387
19991120	114	439	02432	00/F585	500	1540	8	1.23	0.358
19991120	140	448	02433	00/F594	550	1700	9	1.02	0.406
19991120	140	449	02434	00/F595	500	1560	11	1.25	0.374
19991120	140	450	02435	00/F596	550	1920	15	1.15	0.383
19991120	140	451	02436	00/F597	450	1620		1.78	0.399
LAKE WHITEFISH (*Coregonus clupeaformis*)									
19991112	89	42	02626	00/F188	560	3270		1.86	0.196
19991112	114	59			470	1060		1.02	
19991112	114	60			550	2450	27	1.47	
19991112	114	61			500	1810	24	1.45	
19991112	114	62			540	1650	15	1.05	
19991112	114	63	02627	00/F209	520	1850	16	1.32	0.041
19991112	114	64			360	440	12	0.94	
19991112	140	6			570	2760	28	1.49	
19991112	140	7			455	1240	22	1.32	
19991112	140	8			554	2320	14	1.36	
19991112	140	9			550	1160	28	0.70	
19991112	140	10			470	1360	15	1.31	
19991113	114	96			550	2460	25	1.48	
19991113	114	97			450	1610	14	1.77	
19991113	114	98			550	2590	21	1.56	
19991113	140	77	02628	00/F223	610	3350	19	1.48	0.062

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number			Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
		Field Collection	Lockhart	Metals Lab					
19991113	140	78			460	1980	21	2.03	
19991113	140	79			450	1270	10	1.39	
19991113	140	80			490	1330	16	1.13	
19991113	140	81			460	1260	18	1.29	
19991113	140	82			450	1090	18	1.20	
19991113	140	83			470	1220	17	1.18	
19991113	140	84			480	1350	21	1.22	
19991114	89	152			550	1990	11	1.20	
19991114	89	153			540	2100	18	1.33	
19991114	89	154	02632	00/F300	440	1010	10	1.19	0.028
19991114	89	155			440	910	8	1.07	
19991114	89	156			370	530	7	1.05	
19991114	89	157			380	730	7	1.33	
19991114	89	158			350	510	9	1.19	
19991114	89	159			380	530	8	0.97	
19991114	89	160			340	560	7	1.42	
19991114	89	161			340	540	7	1.37	
19991114	114	133			480	1540	16	1.39	
19991114	114	134			570	1980		1.07	
19991114	114	135			420	1300	16	1.75	
19991114	114	136			480	1780		1.61	
19991114	114	137			450	1330	13	1.46	
19991114	114	138			350	700	5	1.63	
19991114	114	139	02630	00/F285	380	950	10	1.73	0.011
19991114	114	140	02631	00/F286	280	230	5	1.05	0.048
19991114	114	141			310	340	5	1.14	
19991114	114	142			480	1520	17	1.37	
19991114	140	112			550	2500	21	1.50	
19991114	140	113			450	1480	16	1.62	
19991114	140	114			450	1530	16	1.68	
19991114	140	115			470	1560	12	1.50	
19991114	140	116			500	1520	21	1.22	
19991114	140	117			480	1560	20	1.41	
19991114	140	118	02629	00/F264	450	1240	27	1.36	0.022
19991114	140	119			480	1410	12	1.27	
19991114	140	120			480	1580	15	1.43	
19991114	140	121			440	1170	6	1.37	
19991115	89	170			350	610	9	1.42	
19991115	89	171			360	770	9	1.65	
19991115	89	172			280	380	5	1.73	
19991115	89	173			380	710	8	1.29	
19991115	89	174			390	790	11	1.33	
19991115	89	175			520	770	11	0.55	
19991115	89	176	02633	00/F322	550	2840	20	1.71	0.013
19991115	89	177			470	1590	16	1.53	
19991115	89	178			450	1320	21	1.45	
19991115	89	179			430	1320	14	1.66	
19991115	114	180			480	1850	22	1.67	

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number			Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
		Field Collection	Lockhart	Metals Lab					
19991115	114	181			480	1660		1.50	
19991115	114	182			450	1550	14	1.70	
19991115	114	183			470	1210	17	1.17	
19991115	114	184			480	1620	22	1.46	
19991115	114	185			480	1900	13	1.72	
19991115	114	186			440	1130	11	1.33	
19991115	114	187			360	900	14	1.93	
19991115	140	208	02634	00/F354	500	2130	16	1.70	0.046
19991115	140	209			500	2350	23	1.88	
19991115	140	210			480	1780	20	1.61	
19991115	140	211	02635	00/F357	500	1650	22	1.32	0.095
19991115	140	212			370	590	13	1.16	
19991115	140	213			450	1440	21	1.58	
19991115	140	214			450	1340	18	1.47	
19991115	140	215			450	1330	23	1.46	
19991116	89	216			340	540	8	1.37	
19991116	89	217			440	990	4	1.16	
19991116	89	218			350	640	7	1.49	
19991116	89	219			340	420	13	1.07	
19991116	89	220			350	630	8	1.47	
19991116	89	221	02636	00/F367	330	420	6	1.17	0.012
19991116	89	222			340	470	10	1.20	
19991116	89	223	02637	00/F369	280	360	5	1.64	0.011
19991116	89	224			300	390	5	1.44	
19991116	89	225			360	480	6	1.03	
19991116	114	245			550	2360		1.42	
19991116	114	246			450	1450		1.59	
19991116	114	247			450	1380	11	1.51	
19991116	114	248	02638	00/F394	450	1310	22	1.44	0.011
19991116	114	249			360	440	10	0.94	
19991116	114	250			450	1140	16	1.25	
19991116	114	251			350	420	11	0.98	
19991116	114	252			400	930	9	1.45	
19991116	114	253			400	970	9	1.52	
19991116	114	254			400	700		1.09	
19991116	140	256	02639	00/F402	550	2910	14	1.75	0.092
19991116	140	257			450	1530	24	1.68	
19991116	140	258			500	1470	17	1.18	
19991116	140	259			400	930		1.45	
19991116	140	260	02640	00/F406	460	1450	16	1.49	0.020
19991116	140	261			450	1110	16	1.22	
19991116	140	262			250	300	8	1.92	
19991116	140	273	02641	00/F419	230	140	5	1.15	0.045
19991117	89	274	02642	00/F420	560	3000	14	1.71	0.018
19991117	89	275			350	540	7	1.26	
19991117	89	276			370	600	8	1.18	
19991117	89	277			350	600	7	1.40	
19991117	89	278	02643	00/F424	550	2840	10	1.71	0.013

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number			Fork length (mm)	Round weight (g)	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
		Field Collection	Lockhart	Metals Lab					
19991117	89	279			400	690	8	1.08	
19991117	89	280			350	670	9	1.56	
19991117	89	281			350	590	9	1.38	
19991117	89	282			350	420	6	0.98	
19991117	114	296			500	1030	17	0.82	
19991117	114	297			450	1710	10	1.88	
19991117	114	298			550	1700	24	1.02	
19991117	114	299			550	1560	22	0.94	
19991117	114	300			450	1350	15	1.48	
19991117	114	301			450	1870	17	2.05	
19991117	114	302			350	420	9	0.98	
19991117	114	303			600	1980	19	0.92	
19991117	140	306			550	2150	20	1.29	
19991117	140	307			450	1500	17	1.65	
19991117	140	308			450	1550	20	1.70	
19991117	140	309			450	1580		1.73	
19991117	140	310			500	1450	20	1.16	
19991117	140	311			450	1110	7	1.22	
19991117	140	312			500	1540	22	1.23	
19991117	140	313			450	1430	21	1.57	
19991117	140	314			300	350	12	1.30	
19991118	89	330			560	2390	10	1.36	
19991118	89	331	02644	00/F477	500	1690	8	1.35	0.023
19991118	89	332			500	2260	17	1.81	
19991118	89	333	02645	00/F479	400	850	8	1.33	0.015
19991118	89	334			350	610	8	1.42	
19991118	89	335			400	820	9	1.28	
19991118	89	336			350	790	8	1.84	
19991118	89	337			450	1140	14	1.25	
19991118	89	338			350	540	6	1.26	
19991118	89	339			350	580	7	1.35	
19991118	114	340	02646	00/F486	500	2360	20	1.89	0.053
19991118	114	341			450	1530	18	1.68	
19991118	114	342	02647	00/F488	400	1120	15	1.75	0.028
19991118	114	343			400	940	9	1.47	
19991118	114	344			350	680	8	1.59	
19991118	140	367			600	2180	21	1.01	
19991118	140	368			450	1260	19	1.38	
19991118	140	369			450	1140	16	1.25	
19991118	140	370	02648	00/F516	450	1580	18	1.73	0.020
19991118	140	371			450	1480	12	1.62	
19991119	89	381			350	790	9	1.84	
19991119	89	382			250	380	15	2.43	
19991119	89	383	02649	00/F529	250	330	9	2.11	0.010
19991119	89	384			250	260	7	1.66	
19991119	89	385			250	230	8	1.47	
19991119	89	386	02650	00/F532	300	550	7	2.04	0.009
19991119	89	387			400	930	9	1.45	

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number Field Collection	Lockhart	Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
19991119	89	388			350	700	9	1.63	
19991119	89	389			300	380	6	1.41	
19991119	89	390			250	160	5	1.02	
19991119	114	401			450	1290	24	1.42	
19991119	114	402			450	1350	17	1.48	
19991119	140	415			550	2200	25	1.32	
19991119	140	416			500	1510	23	1.21	
19991119	140	417	02651	00/F563	500	1550	10	1.24	0.033
19991119	140	418			500	1420	24	1.14	
19991119	140	419			500	1310	12	1.05	
19991119	140	420			450	1100	7	1.21	
19991119	140	421			450	1180	11	1.29	
19991119	140	422			500	1450	14	1.16	
19991119	140	423			450	1180	13	1.29	
19991119	140	424	02652	00/F570	500	1730	17	1.38	0.030
19991120	89	430	02653	00/F576	350	630	7	1.47	0.012
19991120	89	433			500	1350	6	1.08	
19991120	89	434	02654	00/F580	550	2550	13	1.53	0.012
19991120	114	440			500	1660	25	1.33	
19991120	114	441	02655	00/F587	500	1680	24	1.34	0.029
19991120	114	442			400	920	18	1.44	
19991120	114	443			500	1560	21	1.25	
19991120	114	444			450	1540	16	1.69	
19991120	140	445			550	2070	24	1.24	
19991120	140	446			450	1360	16	1.49	
19991120	140	447			250	280	8	1.79	
NORTHERN PIKE (*Esox lucius*)									
19991112	89	38	02588	00/F184	650	2460		0.90	0.215
19991112	89	39	02589	00/F185	620	2240		0.94	0.281
19991112	140	13	02587	00/F159	760	3320	9	0.76	0.219
19991113	114	99	02591	00/F245	540	1570		1.00	0.212
19991113	114	100	02592	00/F246	600	1750	10	0.81	0.231
19991113	140	85	02590	00/F231	660	2590	10	0.90	0.248
19991114	114	144	02593	00/F290	580	1740	12	0.89	0.302
19991117	114	304			700	2880	12	0.84	

[1] total length for burbot

Appendix 6. Biological and tissue metals data from fish captured at Kelly Lake, NT, in February and March 1998, organized by species, collection date, and gillnet mesh size.

DATE	Gillnet	Sample Number				Fork	Round	Age	Sex	Condition	Metal concentration in flesh (µg/g wet wt)			
(yyyymmdd)	Mesh	Field	Lockhart	Lockhart	Metals	length	weight	(y)		Factor				
	(mm)	Collection	Field	Lab	Lab	(mm)[1]	(g)				Total As	MeHg	Total Hg	Total Se
BURBOT (*Lota lota*)														
19980221	114	C5	1	01507	98-F572	660	2210	8		0.77	0.08		0.418	0.18
19980225	114	C3	3	01509	98-F574	560	1320	7	M	0.75	<0.05		0.225	0.29
19980225	140	C4	4	01510	98-F575	700	3100	10	F	0.90	<0.05		0.227	0.23
19980226	140	C2	2	01508	98-F573	620	2020	10	M	0.85	0.09		0.261	0.12
19980228	114	C1	5	01511	98-F576	450			F	0.00	<0.05		0.774	0.20
INCONNU (*Stenodus leucicthys*)														
19980221	114	B5	2	01513	98-F578	800	6410	12		1.25	0.07		0.413	0.28
19980222	140	B2	4	01515	98-F580	760	4665	9	M	1.06	0.07		0.371	0.20
19980223	140	B1	3	01514	98-F579	630		17			0.07		0.369	0.30
19980223	140	B3				630								
19980301	114	B4	1	01512	98-F577	850	7480	8	F	1.22	0.17		0.430	0.29
LAKE TROUT (*Salvelinus namaycush*)														
19980221	114	A25	8	01523	98-F588	540	1660	12		1.05	<0.05		0.490	0.17
19980221	114	A23	25	01540	98-F605	560	1940	8		1.10	0.07		0.390	0.34
19980221	114	A27	9	01524	98-F589	580	2390	15		1.22	0.16		0.360	0.19
19980221	114	A24	21	01536	98-F601	595	2250			1.07	0.09		0.559	0.28
19980221	114	A26	4	01519	98-F584	610	2760			1.22	0.12		0.373	0.36
19980222	114	A10	20	01535	98-F600	570	2040		M	1.10	0.20		0.363	0.15
19980222	114	A13	5	01520	98-F585	605	2600	10	F	1.17	0.21		0.429	0.31
19980222	114	A9	23	01538	98-F603	620	2910		M	1.22	0.13		0.523	0.28
19980222	114	A11	7	01522	98-F587	630	2680	11	F	1.07	0.16		0.326	0.16
19980222	140	A15	2	01517	98-F582	590	2230		F	1.09	0.15		0.490	0.22
19980223	114	A12	12	01527	98-F592	600	1915			0.89	0.07		0.731	0.27
19980223	114	A14				600	1915			0.89				
19980224	114	A32	24	01539	98-F604	145		11	M		0.17		0.451	0.34
19980224	114	A30	22	01537	98-F602	560	1880	10	F	1.07	0.08		0.260	0.15
19980224	114	A31	1	01516	98-F581	600	2170	12	M	1.00	0.14		0.387	0.25
19980224	114	A29	26	01541	98-F606	950	11500		F	1.34	0.25		1.190	0.31
19980224	140	A28	27	01542	98-F607	530	1320	13	M	0.89	0.06		0.600	0.22
19980225	114	A7	29	01544	98-F609	480	1310	11	M	1.18	0.05		0.343	0.35
19980225	114	A6	31	01546	98-F611	855	6540	21	F	1.05	0.44		1.120	0.32
19980225	140	A8	3	01518	98-F583	660	2800	15	M	0.97	0.09		0.221	0.28
19980226	114	A21	15	01530	98-F595	525	1630	10	M	1.13	0.06		0.306	0.24
19980226	114	A20	17	01532	98-F597	545	1900		F	1.17	0.14		0.299	0.25
19980226	114	A22	18	01533	98-F598	570	1990	11	M	1.07	0.06		0.509	0.09
19980227	89	A3	28	01543	98-F608	525	1730	7	F	1.20	0.13		0.342	0.16
19980227	89	A4	10	01525	98-F590	590	2420		F	1.18	0.07		0.369	0.21
19980227	114	A5	30	01545	98-F610	690	3650	7	F	1.11	0.09		0.520	0.26

DATE	Gillnet	Sample Number				Fork	Round	Age	Sex	Condition	Metal concentration in flesh (µg/g wet wt)			
(yyyymmdd)	Mesh	Field	Lockhart	Lockhart	Metals	length	weight	(y)		Factor				
	(mm)	Collection	Field	Lab	Lab	(mm)[1]	(g)				Total As	MeHg	Total Hg	Total Se
19980228	114	A1	11	01526	98-F591	585	1910		F	0.95	0.07		0.593	0.24
19980228	114	A2	14	01529	98-F594	660	1800	14	F	0.63	0.08		0.400	0.15
19980301	89	A16	19	01534	98-F599	550	1870		M	1.12	0.09		0.521	0.23
19980301	114	A18	6	01521	98-F586	510	1730		M	1.30	0.09		0.507	0.28
19980301	114	A19	16	01531	98-F596	520	2390	19	F	1.70	0.09		0.484	0.14
19980301	114	A17	13	01528	98-F593	545	2010	10	M	1.24	0.10		0.501	0.14
LAKE WHITEFISH (*Coregonus clupeaformis*)														
19980221	114	64	67	01626	98-F691	440	1500	8		1.76	0.10		0.034	0.42
19980221	114	72	59	01618	98-F683	470	1280			1.23	0.12		0.149	0.36
19980221	114	70	52	01611	98-F676	480	1690	19		1.53	0.08		0.156	0.35
19980221	114	74	50	01609	98-F674	485	1440	23		1.26	<0.05		0.169	0.36
19980221	114	65	49	01608	98-F673	490	1860	16		1.58	<0.05		0.113	0.43
19980221	114	63	60	01619	98-F684	495	1880			1.55	0.08		0.116	0.43
19980221	114	67				495	1870			1.54				
19980221	114	76	46	01605	98-F670	500	1880	18		1.50	<0.05		0.181	0.36
19980221	114	62	76	01635	98-F700	500	1760	18		1.41	<0.05		0.153	0.38
19980221	114	73	41	01600	98-F665	505	2080			1.62	0.06		0.100	0.33
19980221	114	21	74	01633	98-F698	505	1800		F	1.40	0.13		0.296	0.33
19980221	114	75	36	01595	98-F660	510	1660	23		1.25	<0.05		0.197	0.31
19980221	114	69	55	01614	98-F679	510	1770	18		1.33	<0.05		0.220	0.40
19980221	114	59	48	01607	98-F672	515	2330	18		1.71	0.05		0.140	0.36
19980221	114	77	62	01621	98-F686	530	2490			1.67	0.13		0.170	0.34
19980221	114	71	37	01596	98-F661	540	2280			1.45	0.06		0.128	0.29
19980221	114	60	51	01610	98-F675	540	2500	23		1.59	0.10		0.158	0.31
19980221	114	61	75	01634	98-F699		1440	16			0.06		0.236	0.39
19980222	114	28	65	01624	98-F689	475	1490	24	M	1.39	0.16		0.133	0.44
19980222	114	31	63	01622	98-F687	505	1700		M	1.32	0.08		0.155	0.27
19980222	114	29	64	01623	98-F688	510	1950	18	M	1.47	0.12		0.133	0.36
19980222	114	27	69	01628	98-F693	520	2100	27	M	1.49	<0.05		0.123	0.29
19980222	114	30	71	01630	98-F695	535	1890	15	F	1.23	0.11		0.338	0.37
19980222	114	23	77	01636	98-F701	565	2760	20	F	1.53	0.06		0.524	0.51
19980222	140	42	72	01631	98-F696	480	1470	10	F	1.33	0.12		0.098	0.39
19980222	140	41	73	01632	98-F697	505	1880	21	M	1.46	0.13		0.140	0.38
19980223	114	22	22	01581	98-F646	460	1530			1.57	0.18		0.121	0.35
19980223	114	35				460	1530	19		1.57				
19980223	114	33	43	01602	98-F667	465	1140	17		1.13	0.09		0.179	0.35
19980223	114	37	26	01585	98-F650	485	1790	13		1.57	0.08		0.095	0.30
19980223	114	26				485	1790			1.57				
19980223	114	34	58	01617	98-F682	490	1540			1.31	0.08		0.224	0.41
19980223	114	58				490	1540			1.31				
19980223	114	25	78	01637	98-F702	495	2010		M	1.66	0.07		0.114	0.33
19980223	114	17	17	01576	98-F641	500	1790			1.43	0.10		0.110	0.41
19980223	114	39				500	1790	14		1.43				
19980223	114	32	57	01616	98-F681	510	1880			1.42	<0.05		0.100	0.49
19980223	114	57				510	1880			1.42				
19980223	114	36	68	01627	98-F692	520	1780			1.27	<0.05		0.284	0.38

DATE	Gillnet	Sample Number				Fork	Round	Age	Sex	Condition	Metal concentration in flesh (µg/g wet wt)			
(yyyymmdd)	Mesh	Field	Lockhart	Lockhart	Metals	length	weight	(y)		Factor				
	(mm)	Collection	Field	Lab	Lab	(mm)[1]	(g)				Total As	MeHg	Total Hg	Total Se
19980223	114	68				520	1780			1.27				
19980223	114	40				530	1940	16		1.30				
19980223	114	38	30	01589	98-F654	560	2580			1.47	0.10		0.114	0.44
19980223	114	66	66	01625	98-F690		1940				0.17			
19980223	140	5	44	01603	98-F668	495	1680			1.39	0.07		0.139	0.36
19980223	140	44				495	1680			1.39				
19980223	140	45	45	01604	98-F669	520	1910			1.36	<0.05		0.114	0.44
19980223	140	4				520	2130			1.51				
19980224	114	82	31	01590	98-F655	470	1620		M	1.56	0.10		0.136	0.31
19980224	114	84	38	01597	98-F662	470	1360	15	M	1.31	0.08		0.110	0.19
19980224	114	87	53	01612	98-F677	470	1420	20	F	1.37	0.12		0.291	0.41
19980224	114	86	54	01613	98-F678	470	1450	20	M	1.40	0.11		0.177	0.45
19980224	114	85	33	01592	98-F657	490	1630	18	M	1.39	0.10		0.276	0.29
19980224	114	83	39	01598	98-F663	500	1820	11	F	1.46	<0.05		0.167	0.23
19980224	114	24	70	01629	98-F694	500	1670	25	F	1.34	0.14		0.167	0.47
19980224	140	78	47	01606	98-F671	450	1290		F	1.42	0.20		0.128	0.46
19980224	140	81	61	01620	98-F685	470	1280	22	F	1.23	0.12		0.054	0.39
19980224	140	79	35	01594	98-F659	480	1560	13	M	1.41	0.07		0.131	0.40
19980224	140	80	24	01583	98-F648	540	1990	33	M	1.26	0.09		0.111	0.37
19980225	114	15	34	01593	98-F658	485	1740	18	F	1.53	0.07		0.189	0.26
19980225	114	16	40	01599	98-F664	485	1640	17	F	1.44	<0.05		0.173	0.35
19980225	114	88	1	01560	98-F625	490	1640	17	F	1.39	0.07		0.133	0.40
19980225	114	18	56	01615	98-F680	520	1950		M	1.39	<0.05		0.158	0.33
19980225	140	19	12	01571	98-F636	470	1480	19	F	1.43	0.11		0.227	0.42
19980225	140	20	11	01570	98-F635	500	1720	17	M	1.38	0.13		0.099	0.37
19980226	114	55	6	01565	98-F630	445	1130	21	F	1.28	0.09		0.122	0.35
19980226	114	54	21	01580	98-F645	470	1450	14	M	1.40	0.18		0.181	0.30
19980226	114	56	29	01588	98-F653	500	1600	16	F	1.28	0.09		0.192	0.35
19980227	89	6	27	01586	98-F651	470	1530	18	M	1.47	0.08		0.219	0.37
19980227	114	11	16	01575	98-F640	420	1150	6	M	1.55	0.09		0.065	0.40
19980227	114	10	23	01582	98-F647	475	1320	13	F	1.23	0.13		0.102	0.30
19980227	114	14	25	01584	98-F649	475	1480	20	F	1.38	0.22		0.242	0.53
19980227	114	12	10	01569	98-F634	490	1530	8	F	1.30	0.05		0.298	0.35
19980227	114	13	3	01562	98-F627	490	1500	18	F	1.27	0.06		0.119	0.51
19980227	114	9	28	01587	98-F652	495	1970	12	M	1.62	0.09		0.125	0.25
19980227	114	7	13	01572	98-F637	515	1480		M	1.08	0.07		0.135	0.40
19980227	114	8	9	01568	98-F633	545	2330		M	1.44	0.07		0.121	0.33
19980228	114	3	79	01638	98-F703	480	1660	8	F	1.50	<0.05		0.089	0.33
19980228	140	1	32	01591	98-F656	505	1840	14	M	1.43	0.08		0.247	0.31
19980228	140	2	7	01566	98-F631	555	2230	25	M	1.30	<0.05		0.262	0.35
19980301	89	43	8	01567	98-F632	375	630		M	1.19	0.47		0.220	0.49
19980301	89	47	4	01563	98-F628	495	1700	14	F	1.40	0.06		0.198	0.23
19980301	114	48	15	01574	98-F639	475	1650	13	M	1.54	0.12		0.101	0.33
19980301	114	49	20	01579	98-F644	480	1400	17	F	1.27	0.14		0.211	0.36
19980301	114	53	2	01561	98-F626	485	1400		M	1.23	0.07		0.162	0.31
19980301	114	51	5	01564	98-F629	500	1960	14	M	1.57	<0.05		0.233	0.47
19980301	114	52	18	01577	98-F642	515	1760	18	M	1.29	0.09		0.121	0.44
19980301	114	50	19	01578	98-F643	515	2100		M	1.54	0.07		0.149	0.42

DATE	Gillnet	Sample Number				Fork	Round	Age	Sex	Condition	Metal concentration in flesh (µg/g wet wt)			
(yyyymmdd)	Mesh	Field	Lockhart	Lockhart	Metals	length	weight	(y)		Factor				
	(mm)	Collection	Field	Lab	Lab	(mm)[1]	(g)				Total As	MeHg	Total Hg	Total Se
19980301	114	46	14	01573	98-F638	610	2130	21	M	0.94	0.08		0.142	0.33
NORTHERN PIKE (*Esox lucius*)														
19980221	114	D13	8	01554	98-F619	555	1320			0.77	0.12		0.405	0.21
19980221	114	D12	9	01555	98-F620	600	1690			0.78	0.09	0.307	0.588	0.20
19980221	114	D11	10	01556	98-F621	895	5160			0.72	0.38		0.863	0.26
19980222	114	D5	12	01558	98-F623	640	2005		F	0.76	0.14		0.465	0.25
19980222	140	D6	11	01557	98-F622	755	3310		F	0.77	0.17	0.295	0.575	0.22
19980223	140	D1	3	01549	98-F614	600					0.48		0.832	0.26
19980223	140	D3				600								
19980224	114	D14	7	01553	98-F618	645	2070		F	0.77	0.09	0.257	0.368	0.18
19980225	114	D4	13	01559	98-F624	650	1980		F	0.72	0.12		0.422	0.19
19980225	114	D2	6	01552	98-F617	740	2570		F	0.63	0.13		0.715	0.22
19980226	114	D10	1	01547	98-F612	620	1840		M	0.77	0.09	0.286	0.312	0.18
19980301	114	D9	2	01548	98-F613	615	1840		F	0.79	0.05	0.275	0.337	0.17
19980301	114	D7	4	01550	98-F615	710	1970		F	0.55	0.13		0.716	0.26
19980301	114	D8	5	01551	98-F616	720	2570		M	0.69	0.11	0.341	0.500	0.25

[1] total length for burbot

Appendix 7. Biological and tissue metals data from fish captured at Loon Lake, NT, in November 1997, organized by species and collection date.

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number: Field Collection	Lockhart	Metals Lab	Fork length (mm)	Round weight (g)	Age (y)	Sex	Condition Factor	Total Hg in flesh (µg/g wet wt)
LAKE TROUT (*Salvelinus namaycush*)										
19971122	114	3	1043	98/F469	590	2910		4	1.42	0.332
19971122	114	4	1044	98/F470	670	3790		4	1.26	0.393
19971122	114	5	1045	98/F471	555	2370	12	9	1.39	0.388
19971124	114	1	1041	98/F467	515	1730	14	4	1.27	0.331
19971124	114	2	1042	98/F468	622	3050	13	6	1.27	0.395
19971126	114	6	1046	98/F472	650	3060		4	1.11	0.375
NORTHERN PIKE (*Esox lucius*)										
19971120	114	7	1053	98/F479	615	1770	12	8	0.76	0.273
19971120	114	8	1054	98/F480	615	1340	12	8	0.58	0.715
19971121	114	2	1048	98/F474	622	2140	14	3	0.89	0.445
19971121	114	3	1049	98/F475	645	1910	12	3	0.71	0.461
19971121	114	4	1050	98/F476	650	2120	14	3	0.77	0.480
19971122	114	10	1056	98/F482	905	5970	20	3	0.81	0.656
19971123	114	5	1051	98/F477	594	1570	11	8	0.75	0.330
19971125	114	1	1047	98/F473	455	615	10	6	0.65	0.327
19971125	114	6	1052	98/F478	590	1540	13	8	0.75	0.524
19971125	114	12	1058	98/F484	604	1560	14	8	0.71	0.383
19971125	114	13	1059	98/F485	700	2410	15	6	0.70	0.696
19971125	114	14	1060	98/F486	580	1360	14	6	0.70	0.563
19971126	114	9	1055	98/F481	740	3300	14	10	0.81	0.519
19971128	114	11	1057	98/F483	750	3000	20	8	0.71	0.700

Appendix 8. Biological and tissue metals data from fish captured at Mahony Lake, NT, in December 1996, organized by species, collection date, and gillnet mesh size.

DATE	Gillnet	Sample Number			Fork	Round	Condition	Metal concentration in flesh (µg/g wet wt)			
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	Factor				
	(mm)	Collection		Lab	(mm)	(g)		Total As	MeHg	Total Hg	Total Se
LAKE TROUT (*Salvelinus namaycush*)											
19961205	89	1	662	96-584	720	4480	1.20	<0.05		0.521	0.25
19961205	89	2	663	96-585	635	3110	1.21	<0.05		0.186	0.24
19961205	89	3	664	96-586	500	1430	1.14	<0.05		0.144	0.26
19961205	89	4	665	96-587	540	1960	1.24	<0.05		0.145	0.22
19961205	89	5	666	96-588	905	8730	1.18	<0.05		0.989	0.45
19961205	89	6	667	96-589	860	7650	1.20	<0.05		0.811	0.25
19961205	89	7	668	96-590	975	>10000	>1.08	<0.05		0.907	0.35
19961205	89	8	669	96-591	860	8020	1.26	<0.05		0.615	0.30
19961205	140	9	670	96-592	540	1810	1.15	<0.05		0.201	0.22
19961205	140	10	671	96-593	545	2020	1.25	<0.05		0.176	0.25
19961205	140	11	672	96-594	540	1810	1.15	<0.05		0.173	0.21
19961205	140	12	673	96-595	535	1840	1.20	0.05		0.167	0.25
19961205	140	13	674	96-596	560	2010	1.14	<0.05		0.167	0.23
19961205	140	14	675	96-597	530	1590	1.07	<0.05		0.174	0.25
19961205	140	15	676	96-598	550	1730	1.04	<0.05		0.157	0.23
19961205	140	16	677	96-599	625	3120	1.28	<0.05		0.335	0.28
19961205	140	17	678	96-600	640	3110	1.19	0.06		0.226	0.28
19961205	140	18	679	96-601	695	3750	1.12	<0.05		0.179	0.27
19961205	140	19	680	96-602	805	5160	0.99	<0.05		0.659	0.25
19961205	140	20	681	96-603	870	>10000	>1.52	0.06		0.404	0.32
19961205	140	21			880	>10000	>1.47				
19961205	140	22			935	>10000	>1.22				
19961205	114	23			730	4960	1.28				
19961205	114	24			680	2990	0.95				
19961205	114	25			550	2250	1.35				
19961205	114	26			610	2700	1.19				
19961205	114	27			575	2060	1.08				
19961205	114	28			600	1900	0.88				
19961206	89	29			605	2880	1.30				
19961206	89	30			600	2660	1.23				
19961206	140	31			850	6780	1.10				
19961206	140	32			520	1830	1.30				
19961206	140	33			580	2060	1.06				
19961206	140	34			550	2150	1.29				
19961206	140	35			490	1320	1.12				
19961206	140	36			520	1630	1.16				
19961206	140	37			620	2790	1.17				
19961206	114	38			585	3360	1.68				
19961206	114	39			570	2250	1.21				
19961206	114	40			565	2430	1.35				
19961206	114	41			570	2220	1.20				
19961206	114	42			600	2550	1.18				

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number Field Collection	Lockhart	Metals Lab	Fork length (mm)	Round weight (g)	Condition Factor	Metal concentration in flesh (µg/g wet wt) Total As	MeHg	Total Hg	Total Se
19961206	114	43			610	2710	1.19				
19961206	114	44			535	2030	1.33				
19961206	114	45			730	5010	1.29				
19961207	140	46			860	>10000	>1.57				
19961207	140	47			610	2650	1.17				
19961207	140	48			550	2040	1.23				
19961207	140	49			550	1700	1.02				
19961207	140	50			650	2840	1.03				
19961207	89	51			930	>10000	>1.24				
19961207	89	52			540	1890	1.20				
19961207	89	53			620	2870	1.20				
19961207	89	54			540	1870	1.19				
19961207	89	55			490	1490	1.27				
19961207	89	56			620	2430	1.02				
19961207	114	57			590	2400	1.17				
19961207	114	58			520	1910	1.36				
19961207	114	59			555	1860	1.09				
19961207	114	60			580	2740	1.40				
19961208	140	61			560	2040	1.16				
19961208	140	62			590	2280	1.11				
19961208	140	63			505	1480	1.15				
19961208	140	64			550	2130	1.28				
19961208	89	65			610	2960	1.30				
19961208	89	66			980	>10000	>1.06				
19961208	114	67			795	6630	1.32				
19961208	114	68			550	2100	1.26				
19961208	114	69			970	>10000	>1.10				
19961209	140	70			900	8950	1.23				
19961209	140	71			530	2060	1.38				
19961209	140	72			590	2420	1.18				
19961209	140	73			550	2110	1.27				
19961209	140	74			750	5410	1.28				
19961209	140	75			710	4200	1.17				
19961209	140	76			560	2140	1.22				
19961209	89	77			560	2410	1.37				
19961209	89	78			540	2090	1.33				
19961209	89	79			570	2430	1.31				
19961209	89	80			550	1940	1.17				
19961209	114	81			610	3270	1.44				
19961209	114	82			690	3640	1.11				
LAKE WHITEFISH (*Coregonus clupeaformis*)											
19961205	89	1	642	96-564	470	1350	1.30	<0.05		0.085	0.21
19961205	89	2	643	96-565	500	1520	1.22	<0.05		0.144	0.21
19961205	89	3	644	96-566	450	1160	1.27	<0.05		0.106	0.19
19961205	114	4	645	96-567	460	1160	1.19	<0.05		0.088	0.23
19961205	114	5	646	96-568	460	1010	1.04	<0.05		0.098	0.22

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number			Fork length (mm)	Round weight (g)	Condition Factor	Metal concentration in flesh (µg/g wet wt)			
		Field Collection	Lockhart	Metals Lab				Total As	MeHg	Total Hg	Total Se
19961205	114	6	647	96-569	500	1450	1.16	<0.05		0.204	0.22
19961205	114	7	648	96-570	410	840	1.22	<0.05		0.075	0.29
19961205	114	8	649	96-571	470	1510	1.45	<0.05		0.129	0.25
19961205	114	9	650	96-572	520	1820	1.29	<0.05		0.143	0.28
19961205	114	10	651	96-573	510	1720	1.30	<0.05		0.202	0.20
19961205	114	11	652	96-574	500	1680	1.34	<0.05		0.115	0.22
19961205	114	12	653	96-575	630			<0.05		0.109	0.19
19961205	114	13	654	96-576	435	1050	1.28	<0.05		0.076	0.23
19961205	114	14	655	96-577	490	1500	1.27	<0.05		0.185	0.25
19961205	114	15	656	96-578	500	1650	1.32	<0.05		0.126	0.24
19961205	114	16	657	96-579	530	2070	1.35	<0.05		0.135	0.19
19961205	114	17	658	96-580	520	1950	1.39	<0.05		0.163	0.23
19961205	114	18	659	96-581	530	2040	1.37	<0.05		0.150	0.18
19961205	114	19	660	96-582	490	1260	1.07	<0.05		0.192	0.17
19961205	114	20	661	96-583	450	1160	1.27	<0.05		0.089	0.23
19961205	114	21			430	960	1.21				
19961205	114	22			530	2130	1.43				
19961205	114	23			450	1120	1.23				
19961205	114	24			485	1720	1.51				
19961205	114	25			510	2060	1.55				
19961205	114	26			535	2320	1.52				
19961205	114	27			510	1690	1.27				
19961205	114	28			490	1680	1.43				
19961205	114	29			445	1110	1.26				
19961205	114	30			535	1780	1.16				
19961205	114	31			440	1110	1.30				
19961205	114	32			485	1410	1.24				
19961205	114	33			490	1580	1.34				
19961205	114	34			520	1890	1.34				
19961205	114	35			440	1110	1.30				
19961205	114	36			500	1550	1.24				
19961205	114	37			445	1240	1.41				
19961205	114	38			525	2030	1.40				
19961206	89	39			490	1490	1.27				
19961206	140	40			510	1580	1.19				
19961206	114	41			490						
19961206	114	42			510	1940	1.46				
19961206	114	43			460	1320	1.36				
19961206	114	44			450	1230	1.35				
19961206	114	45			500	1610	1.29				
19961206	114	46			515	1870	1.37				
19961206	114	47			520	1920	1.37				
19961206	114	48			530	1990	1.34				
19961206	114	49			480	1540	1.39				
19961206	114	50			500	1410	1.13				
19961206	114	51			500	1620	1.30				
19961206	114	52			520	1940	1.38				
19961206	114	53			500	1590	1.27				

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number Field Collection	Lockhart	Metals Lab	Fork length (mm)	Round weight (g)	Condition Factor	Metal concentration in flesh (µg/g wet wt) Total As	MeHg	Total Hg	Total Se
19961206	114	54			515	1850	1.35				
19961206	114	55			510	1580	1.19				
19961206	114	56			475	1430	1.33				
19961206	114	57			530	1480	0.99				
19961206	114	58			440	1170	1.37				
19961206	114	59			520	1830	1.30				
19961206	114	60			500	1520	1.22				
19961206	114	61			520	1980	1.41				
19961206	114	62			635	2010	0.79				
19961206	114	63			450	1230	1.35				
19961206	114	64			500	1780	1.42				
19961206	114	65			510	1810	1.36				
19961206	114	66			505	1730	1.34				
19961206	114	67			520	1880	1.34				
19961206	114	68			490	14[illegible]	1.23				
19961206	114	69			520	1750	1.24				
19961206	114	70			470	1360	1.31				
19961206	114	71			510	1700	1.28				
19961206	114	72			510	1950	1.47				
19961206	114	73			520	1440	1.02				
19961206	114	74			490	1310	1.11				
19961206	114	75			480	1340	1.21				
19961206	114	76			450	1200	1.32				
19961206	114	77			420	920	1.24				
19961206	114	78			540	1920	1.22				
19961206	114	79			540	2080	1.32				
19961206	114	80			450	1180	1.29				
19961206	114	81			480	1330	1.20				
19961206	114	82			420	920	1.24				
19961206	114	83			510	1160	0.87				
19961206	114	84			555	2160	1.26				
19961206	114	85			540	1900	1.21				
19961206	114	86			515	1700	1.24				
19961206	114	87			490	1760	1.50				
19961206	114	88			520	1810	1.29				
19961207	140	89			470	1370	1.32				
19961207	89	90			530	1880	1.26				
19961207	114	91			390	740	1.25				
19961207	114	92			500	1500	1.20				
19961207	114	93			470	1180	1.14				
19961207	114	94			540	2100	1.33				
19961207	114	95			510	1580	1.19				
19961207	114	96			450	1100	1.21				
19961207	114	97			500	1440	1.15				
19961207	114	98			490	1600	1.36				
19961207	114	99			495	1550	1.28				
19961207	114	100			455	1150	1.22				
19961207	114	101			460	1230	1.26				

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number Field Collection	Lockhart	Metals Lab	Fork length (mm)	Round weight (g)	Condition Factor	Metal concentration in flesh (µg/g wet wt) Total As	MeHg	Total Hg	Total Se
19961207	114	102			440	1130	1.33				
19961207	114	103			500	1660	1.33				
19961207	114	104			440	960	1.13				
19961208	140	105			435	960	1.17				
19961208	114	106			450	1210	1.33				
19961208	114	107			510	1900	1.43				
19961208	114	108			525	1890	1.31				
19961208	114	109			470	1330	1.28				
19961208	114	110			490	1710	1.45				
19961208	114	111			490	1290	1.10				
19961208	114	112			500	1620	1.30				
19961208	114	113			530	1940	1.30				
19961208	114	114			450	1150	1.26				
19961208	114	115			525	1660	1.15				
19961208	114	116			435	980	1.19				
19961208	114	117			460	1180	1.21				
19961208	114	118			480	1530	1.38				
19961208	114	119			500	1440	1.15				
19961208	114	120			460	1120	1.15				
19961208	114	121			500	1440	1.15				
19961208	114	122			510	1630	1.23				
19961209	114	123			450	1300	1.43				
19961209	114	124			500	1640	1.31				
19961209	114	125			500	1900	1.52				
19961209	114	126			500	1610	1.29				
19961209	114	127			430	910	1.14				
19961209	114	128			440	1160	1.36				
19961209	114	129			535	1960	1.28				
19961209	114	130			510	1810	1.36				
19961209	114	131			520	1690	1.20				
NORTHERN PIKE (*Esox lucius*)											
19961205	114	1	682	96-604	650	2220	0.81	0.10		0.158	0.16
19961205	114	2	683	96-605	660	2570	0.89	0.06		0.300	0.22
19961205	114	3	684	96-606	580	1620	0.83	<0.05	0.116	0.157	0.20
19961205	114	4	685	96-607	780	3960	0.83	0.13	0.407	0.490	0.23
19961205	114	5	686	96-608	600	2010	0.93	0.12		0.168	0.22
19961205	114	6	687	96-609	780	3810	0.80	0.12	0.526	0.650	0.19
19961205	114	7	688	96-610	700	2990	0.87	0.13		0.369	0.24
19961205	114	8	689	96-611	590	2160	1.05	0.13		0.170	0.21
19961205	114	9	690	96-612	600	1850	0.86	0.08		0.167	0.23
19961205	114	10	691	96-613	530	1560	1.05	0.07	0.101	0.157	0.23
19961205	114	11	692	96-614	650	2340	0.85	0.07		0.232	0.24
19961205	114	12	693	96-615	670	2700	0.90	0.07		0.244	0.20
19961205	114	13	694	96-616	630	2110	0.84	0.07		0.252	0.22
19961206	114	14	695	96-617	630	1670	0.67	0.08	0.093	0.140	0.17
19961206	114	15	696	96-618	640	2440	0.93	0.08		0.190	0.18

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number			Fork length (mm)	Round weight (g)	Condition Factor	Metal concentration in flesh (µg/g wet wt)			
		Field Collection	Lockhart	Metals Lab				Total As	MeHg	Total Hg	Total Se
19961206	114	16	697	96-619	665	2150	0.73	0.07		0.160	0.19
19961206	114	17	698	96-620	690	2870	0.87	0.15		0.182	0.21
19961206	114	18	699	96-621	580	1800	0.92	0.10		0.144	0.23
19961206	114	19	700	96-622	965	7040	0.78	0.11	0.466	0.620	0.20
19961206	114	20	701	96-623	600	1690	0.78	0.12		0.185	0.27
19961206	114	21			690	2610	0.79				
19961206	114	22			730	3060	0.79				
19961206	114	23			790	3700	0.75				
19961206	114	24			690	2600	0.79				
19961206	114	25			720	3160	0.85				
19961206	114	26			720	3080	0.83				
19961206	114	27			930	7270	0.90				
19961206	114	28			640	2450	0.93				
19961206	114	29			735	3660	0.92				
19961207	114	30			730	3070	0.79				
19961207	114	31			570	1750	0.94				
19961207	114	32			530	1340	0.90				
19961208	114	33			710	3720	1.04				
19961208	114	34			680	3080	0.98				
19961208	114	35			790	4400	0.89				
19961208	114	36			540	1280	0.81				
19961208	114	37			550	1490	0.90				
19961208	114	38			560	1800	1.02				
19961208	114	39			640	2510	0.96				
19961209	114	40			630	2590	1.04				
19961209	114	41			640	2470	0.94				
19961209	114	42			620	2370	0.99				
19961209	114	43			720	4120	1.10				
19961209	114	44			710	3580	1.00				
19961209	114	45			630	2400	0.96				
19961209	114	46			620	2230	0.94				
19961209	114	47			670	2810	0.93				
19961209	114	48			700	2670	0.78				
19961209	114	49			660	2790	0.97				
19961209	114	50			670	3190	1.06				

Appendix 9. Biological and tissue metals data for fish captured from Manuel Lake, NT, in November 1997 through February 1998, organized by species and collection date.

DATE	Sample Number			Fork	Round	Age	Sex	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Field	Lockhart	Metals	length	weight	(y)		Factor			
	Collection		Lab	(mm)[1]	(g)				As	Hg	Se
BURBOT (*Lota lota*)											
19971117	7	1464	98/F529	582	1810	12	8	0.92	0.08	0.169	0.14
19971117	8	1465	98/F530	595	1710	10	3	0.81	<0.05	0.246	0.14
19971117	9	1466	98/F531	580	1580	14	8	0.81	<0.05	0.145	0.16
19971118	12	1469	98/F534	625	2100	12	3	0.86	<0.05	0.279	0.24
19971127	10	1467	98/F532	675	2430	13	8	0.79	0.05	0.295	0.17
19971210	5	1462	98/F527	705	2910	17	6	0.83	<0.05	0.451	0.22
19971210	6	1463	98/F528	595	1890	10	3	0.90	<0.05	0.163	0.16
19971210	13	1470	98/F535	646	2780	9	8	1.03	<0.05	0.206	0.20
19971212	4	1461	98/F526	675	2540	15	8	0.83	<0.05	0.231	0.18
19971218	3	1460	98/F525	590	1870	9	6	0.91	<0.05	0.135	0.16
19971218	14	1471	98/F536	660	2180	14	8	0.76	<0.05	0.336	0.15
19971218	15	1472	98/F537	590	2070	14		1.01	0.07	0.219	0.15
19980108	1	1458	98/F523	600	2110	13	8	0.98	<0.05	0.326	0.22
19980108	2	1459	98/F524	670	1690	11	3	0.56	<0.05	0.202	0.15
19980109	11	1468	98/F533	680	2550	18	8	0.81	0.10	0.328	0.14
19980201	16	1473	98/F538	576	1590	11	7	0.83	<0.05	0.329	0.20
19980201	17	1474	98/F539	645	2140	9	2	0.80	<0.05	0.240	0.15
19980201	18	1475	98/F540	615	1830	12	7	0.79	<0.05	0.262	0.19
19980201	19	1476	98/F541	613	1850	13	2	0.80	0.09	0.360	0.22
19980201	20	1477	98/F542	639	1920	12		0.74	<0.05	0.239	0.16
19980201	21	1478	98/F543	601	1770	10	2	0.82	<0.05	0.254	0.14
LAKE TROUT (*Salvelinus namaycush*)											
19971117	6	1444	98/F509	456	1130	11	6	1.19		0.261	
19971117	7	1445	98/F510	525	1640		5	1.13		0.464	
19971118	8	1446	98/F511	500	1150		5	0.92		0.333	
19971118	9	1447	98/F512	433	1000		10	1.23		0.256	
19971129	13	1451	98/F516	510	1370	22	5	1.03		0.432	
19971129	14	1452	98/F517	460	1250	12	5	1.28		0.277	
19971129	15	1453	98/F518	490	1340		5	1.14		0.323	
19971129	16	1454	98/F519	455	1280	18	6	1.36		0.305	
19971130	10	1448	98/F513	440	1030	10	10	1.21		0.212	
19971130	11	1449	98/F514	473	1330	10	1	1.26		0.254	
19971130	12	1450	98/F515	520	1570	13	5	1.12		0.334	
19971201	1	1439	98/F504	493	1550	17	6	1.29		0.346	
19971201	2	1440	98/F505	465	1310		6	1.30		0.309	
19971210	3	1441	98/F506	500	1540	12	6	1.23		0.271	
19971210	4	1442	98/F507	480	1470		5	1.33		0.224	
19971210	5	1443	98/F508	545	1980	12	5	1.22		0.277	
19971218	17	1455	98/F520	470	1440	22	4	1.39		0.248	

DATE	Sample Number			Fork	Round	Age	Sex	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Field	Lockhart	Metals	length	weight	(y)		Factor			
	Collection		Lab	(mm)[1]	(g)				As	Hg	Se
19980202	18	1456	98/F521	477	1210		6	1.11		0.305	
19980202	19	1457	98/F522	511	1630		4	1.22		0.257	
LAKE WHITEFISH (*Coregonus clupeaformis*)											
19971201	2	1423	98/F488	482	1470	10	9	1.31	0.09	0.056	0.23
19971201	3	1424	98/F489	481	1640	9	9	1.47	0.12	0.063	0.23
19971201	4	1425	98/F490	433	1350	8	1	1.66	0.07	0.078	0.23
19971201	5	1426	98/F491	436	1140	6	9	1.38	<0.05	0.045	0.27
19971210	6	1427	98/F492	467	1860	10	9	1.83	0.05	0.064	0.22
19971210	7	1428	98/F493	432	1290	7	9	1.60	0.06	0.071	0.23
19971210	8	1429	98/F494	473	1570	10	9	1.48	0.08	0.059	0.23
19971210	9	1430	98/F495	500	1890	10	9	1.51	<0.05	0.041	0.21
19971217	1	1422	98/F487	504	1840	8	9	1.44	0.10	0.046	0.22
19971218	10	1431	98/F496	520	1810	9	9	1.29	<0.05	0.059	0.23
19980203	11	1432	98/F497	480	1550		4	1.40	0.08	0.179	0.27
19980203	12	1433	98/F498	522	2110		4	1.48	<0.05	0.198	0.20
19980203	13	1434	98/F499	512	1460	10	1	1.09	0.11	0.083	0.22
19980203	14	1435	98/F500	485	1680		10	1.47	0.07	0.062	0.24
19980203	15	1436	98/F501	510	1870	10	10	1.41	0.06	0.060	0.23
19980203	16	1437	98/F502	525	1670		10	1.15	<0.05	0.123	0.21
19980203	17	1438	98/F503	505	1720	25		1.34	0.06	0.150	0.23
NORTHERN PIKE (*Esox lucius*)											
19971116	10	1488	98/F553	650	2140	13	2	0.78		0.536	
19971116	12	1490	98/F555	660	2410	11	2	0.84		0.482	
19971116	13	1491	98/F556	572	1700	9	7	0.91		0.232	
19971117	2	1480	98/F545	620	2060	14	7	0.86		0.313	
19971117	3	1481	98/F546	560	2160	14	2	1.23		0.431	
19971118	14	1492	98/F557	685	2490	13	2	0.77		0.452	
19971127	9	1487	98/F552	635	2190	12	6	0.86		0.246	
19971127	11	1489	98/F554	610	2000	10	2	0.88		0.514	
19971128	8	1486	98/F551	650	2210	12	2	0.80		0.357	
19971129	1	1479	98/F544	570	1750	11	7	0.94		0.310	
19971130	4	1482	98/F547	645	2090	12	2	0.78		0.313	
19971130	5	1483	98/F548	610	1800	11	2	0.79		0.372	
19971201	24	1502	98/F567	603	2030	12	2	0.93		0.390	
19971210	6	1484	98/F549	680	2750	14	2	0.87		0.403	
19971210	7	1485	98/F550	690	2260	12	2	0.69		0.515	
19971218	15	1493	98/F558	643	2380	12	2	0.90		0.431	
19971218	16	1494	98/F559	682	2430	13	2	0.77		0.376	
19980108	21	1499	98/F564	680	2690	11	2	0.86		0.338	
19980108	22	1500	98/F565	670	2400	15	2	0.80		0.542	
19980108	23	1501	98/F566	620	2440	10	2	1.02		0.361	
19980109	17	1495	98/F560	655	1910	12	2	0.68		0.496	
19980109	18	1496	98/F561	655	2280	10	2	0.81		0.339	

DATE	Sample Number			Fork	Round	Age	Sex	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Field	Lockhart	Metals	length	weight	(y)		Factor			
	Collection		Lab	(mm)[1]	(g)				As	Hg	Se
19980109	19	1497	98/F562	600	2160	15	7	1.00		0.462	
19980109	20	1498	98/F563	580	1620	10	5	0.83		0.485	
19980203	25	1503	98/F568	830	4150	19	10	0.73		1.760	
19980203	26	1504	98/F569	610	1980	9	2	0.87		0.139	
19980203	27	1505	98/F570	650	2470	11	2	0.90		0.484	
19980203	28	1506	98/F571	640	2110	10	2	0.80		0.494	

[1] total length for burbot

Appendix 10. Biological and tissue metals data for fish captured from Mirror Lake, NT, in March 2000, organized by species, collection date, and gillnet mesh size.

DATE	Gillnet	Sample Number			Fork	Round	Condition	Total metal concentration in flesh (µg/g wet wt)	
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	Factor		
	(mm)	Collection		Lab	(mm)[1]	(g)		Hg	Se
BURBOT (*Lota lota*)									
20000321	89	140	03514	00/F1894	470	950	0.92	0.397	0.227
LAKE TROUT (*Salvelinus namaycush*)									
20000317	89	11	03387	00/F1765	474	1260	1.18	0.530	0.291
20000317	89	12	03388	00/F1766	528	1770	1.20	0.974	0.311
20000317	89	13	03389	00/F1767	496	1430	1.17	0.589	0.284
20000317	89	14	03390	00/F1768	484	1320	1.16	0.679	0.303
20000317	114	24	03400	00/F1778	442	1010	1.17	0.532	0.272
20000317	114	25	03401	00/F1779	509	1500	1.14	0.625	0.246
20000317	114	26	03402	00/F1780	432	1020	1.27	0.508	0.344
20000317	114	27	03403	00/F1781	450	1010	1.11	0.540	0.254
20000317	114	28	03404	00/F1782	529	1670	1.13	1.085	0.275
20000317	114	29	03405	00/F1783	480	1290	1.17	0.517	0.313
20000317	140	34	03410	00/F1788	478	1410	1.29	0.800	0.318
20000318	89	41	03417	00/F1795	452	1140	1.23	0.481	0.298
20000319	89	61	03437	00/F1815	446	1070	1.21	0.588	0.290
20000319	140	69	03445	00/F1823	570	1830	0.99	1.651	0.327
20000320	140	71	03447	00/F1825	498	1470	1.19	0.952	0.313
20000320	140	72			478	1270	1.16		
20000320	140	73			457	1130	1.18		
20000320	140	74	03448	00/F1828	431	940	1.17	0.572	0.311
20000320	114	75	03449	00/F1829	421	940	1.26	0.474	0.277
20000320	114	76	03450	00/F1830	425	910	1.19	0.481	0.311
20000320	114	77	03451	00/F1831	438	1000	1.19	0.460	0.266
20000320	114	78	03452	00/F1832	439	1070	1.26	0.598	0.267
20000320	114	79	03453	00/F1833	454	1190	1.27	0.608	0.300
20000320	114	80	03454	00/F1834	425	1010	1.32	0.447	0.285
20000320	114	81	03455	00/F1835	445	1120	1.27	0.468	0.289
20000320	114	82	03456	00/F1836	452	1110	1.20	0.553	0.281
20000320	114	83	03457	00/F1837	433	1040	1.28	0.717	0.297
20000320	114	84	03458	00/F1838	425	900	1.17	0.442	0.288
20000320	114	85	03459	00/F1839	433	1030	1.27	0.505	0.289
20000320	114	86	03460	00/F1840	428	970	1.24	0.441	0.309
20000320	114	87	03461	00/F1841	456	1050	1.11	0.474	0.326
20000320	89	90	03464	00/F1844	442	1040	1.20	0.529	0.333
20000320	89	91	03465	00/F1845	444	950	1.09	0.514	0.302
20000320	89	92	03466	00/F1846	425	910	1.19	0.596	0.292
20000320	89	93	03467	00/F1847	424	840	1.10	0.406	0.317
20000320	89	94	03468	00/F1848	436	1020	1.23	0.520	0.309
20000320	89	104	03478	00/F1858	471	1270	1.22	0.428	0.260
20000321	89	121	03495	00/F1875	438	980	1.17	0.471	0.232

DATE	Gillnet	Sample Number			Fork	Round	Condition	Total metal concentration in flesh (µg/g wet wt)	
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	Factor		
	(mm)	Collection		Lab	(mm)[1]	(g)		Hg	Se
20000321	89	122	03496	00/F1876	475	1160	1.08	0.489	0.256
20000321	89	123	03497	00/F1877	510	1560	1.18	0.610	0.230
20000321	89	124	03498	00/F1878	465	1060	1.05	0.405	0.235
20000321	89	126	03500	00/F1880	550	1850	1.11	0.907	0.224
20000321	89	127	03501	00/F1881	456	1160	1.22	0.486	0.280
20000321	89	132	03506	00/F1886	456	1070	1.13	0.416	0.262
20000321	89	136	03510	00/F1890	435	980	1.19	0.460	0.263
20000321	89	137	03511	00/F1891	435	920	1.12	0.426	0.298
20000321	89	138	03512	00/F1892	430	860	1.08	0.356	0.306
20000321	89	139	03513	00/F1893	440	1090	1.28	0.465	0.281
20000321	89	142	03516	00/F1896	480	1260	1.14	0.683	0.287
20000321	89	143	03517	00/F1897	442	990	1.15	0.431	0.298
20000321	89	144	03518	00/F1898	440	990	1.16	0.513	0.294
20000321	89	145	03519	00/F1899	440	1100	1.29	0.485	0.312
20000321	89	146	03520	00/F1900	445	1210	1.37	0.607	0.290
20000321	89	147	03521	00/F1901	440	9[illegible]	1.13	0.437	0.310
20000321	89	148	03522	00/F1902	525	1610	1.11	0.869	0.244
20000321	89	149	03523	00/F1903	540	1890	1.20	1.280	0.338
20000321	140	151	03525	00/F1905	490	1260	1.07	1.276	0.404
20000321	140	152	03526	00/F1906	425	880	1.15	0.538	0.333
20000321	140	153	03527	00/F1907	545	1870	1.16	1.385	0.330
20000322	114	162	03536	00/F1916	455	980	1.04	0.463	0.283
20000322	89	166	03540	00/F1920	430	920	1.16	0.451	0.269
20000322	114	170	03544	00/F1924	445	1170	1.33	0.525	0.289
20000322	114	171	03545	00/F1925	430	940	1.18	0.463	0.311
20000322	114	172	03546	00/F1926	440	1060	1.24	0.537	0.325
20000322	114	173	03547	00/F1927	445	1030	1.17	0.478	0.301
LAKE WHITEFISH (*Coregonus clupeaformis*)									
20000317	89	1	03377	00/F1755	464	1350	1.35	0.339	0.398
20000317	89	2	03378	00/F1756	426	1020	1.32	0.360	0.423
20000317	89	3	03379	00/F1757	420	960	1.30	0.498	0.386
20000317	89	4	03380	00/F1758	482	1450	1.29	0.401	0.369
20000317	89	5	03381	00/F1759	470	1490	1.44	0.307	0.385
20000317	89	6	03382	00/F1760	442	1170	1.35	0.392	0.333
20000317	89	7	03383	00/F1761	467	1560	1.53	0.271	0.341
20000317	89	8	03384	00/F1762	462	1440	1.46	0.258	0.250
20000317	89	9	03385	00/F1763	475	1420	1.32	0.268	0.373
20000317	89	10	03386	00/F1764	455	1360	1.44	0.271	0.378
20000317	114	15	03391	00/F1769	442	1280	1.48	0.332	0.343
20000317	114	16	03392	00/F1770	426	1050	1.36	0.437	0.416
20000317	114	17	03393	00/F1771	448	1280	1.42	0.352	0.394
20000317	114	18	03394	00/F1772	446	1390	1.57	0.361	0.361
20000317	114	19	03395	00/F1773	432	1170	1.45	0.395	0.483
20000317	114	20	03396	00/F1774	462	1330	1.35	0.380	0.448
20000317	114	21	03397	00/F1775	440	1260	1.48	0.415	0.395
20000317	114	22	03398	00/F1776	441	1100	1.28	0.459	0.413

DATE	Gilinet	Sample Number			Fork	Round	Condition	Total metal concentration in flesh (µg/g wet wt)	
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	Factor		
	(mm)	Collection		Lab	(mm)[1]	(g)		Hg	Se
20000317	114	23	03399	00/F1777	451	1300	1.42	0.351	0.408
20000317	140	30	03406	00/F1784	454	1290	1.38	0.376	0.382
20000317	140	31	03407	00/F1785	455	1360	1.44	0.288	0.467
20000317	140	32	03408	00/F1786	472	1480	1.41	0.340	0.369
20000317	140	33	03409	00/F1787	454	1130	1.21	0.316	0.369
20000318	89	35	03411	00/F1789	468	1400	1.37	0.343	0.415
20000318	89	36	03412	00/F1790	480	1310	1.18	0.408	0.303
20000318	89	37	03413	00/F1791	466	1230	1.22	0.344	0.361
20000318	89	38	03414	00/F1792	455	1250	1.33	0.342	0.278
20000318	89	39	03415	00/F1793	502	1870	1.48	0.317	0.336
20000318	89	40	03416	00/F1794	447	1230	1.38	0.222	0.448
20000318	114	42	03418	00/F1796	422	1030	1.37	0.530	0.472
20000318	114	43	03419	00/F1797	453	1200	1.29	0.299	0.414
20000318	114	44	03420	00/F1798	474	1270	1.19	0.381	0.294
20000318	140	45	03421	00/F1799	460	1220	1.25	0.344	0.383
20000318	140	46	03422	00/F1800	462	1270	1.29	0.232	0.324
20000318	140	47	03423	00/F1801	465	1390	1.38	0.332	0.428
20000318	140	48	03424	00/F1802	456	1260	1.33	0.360	0.417
20000318	140	49	03425	00/F1803	470	1270	1.22	0.325	0.371
20000318	140	50	03426	00/F1804	472	1110	1.06	0.566	0.334
20000319	89	51	03427	00/F1805	468	1310	1.28	0.343	0.265
20000319	89	52	03428	00/F1806	476	1400	1.30	0.229	0.279
20000319	89	53	03429	00/F1807	462	1410	1.43	0.266	0.366
20000319	89	54	03430	00/F1808	456	1270	1.34	0.314	0.292
20000319	89	55	03431	00/F1809	468	1340	1.31	0.306	0.289
20000319	89	56	03432	00/F1810	454	1190	1.27	0.365	0.286
20000319	89	57	03433	00/F1811	469	1390	1.35	0.324	0.324
20000319	89	58	03434	00/F1812	448	1120	1.25	0.352	0.337
20000319	89	59	03435	00/F1813	459	1430	1.48	0.308	0.348
20000319	89	60	03436	00/F1814	456	1340	1.41	0.303	0.324
20000319	114	62	03438	00/F1816	444	1180	1.35	0.438	0.329
20000319	114	63	03439	00/F1817	431	1010	1.26	0.455	0.348
20000319	114	64	03440	00/F1818	441	1000	1.17	0.304	0.301
20000319	114	65	03441	00/F1819	430	950	1.19	0.407	0.319
20000319	140	66	03442	00/F1820	437	1100	1.32	0.411	0.310
20000319	140	67	03443	00/F1821	465	1190	1.18	0.304	0.255
20000319	140	68	03444	00/F1822	487	1520	1.32	0.348	0.350
20000320	140	70	03446	00/F1824	466	1420	1.40	0.406	0.467
20000320	114	88	03462	00/F1842	442	1250	1.45	0.378	0.381
20000320	114	89	03463	00/F1843	436	1140	1.38	0.388	0.302
20000320	89	95	03469	00/F1849	445	1260	1.43	0.383	0.335
20000320	89	96	03470	00/F1850	442	1170	1.35	0.394	0.321
20000320	89	97	03471	00/F1851	451	1320	1.44	0.339	0.303
20000320	89	98	03472	00/F1852	430	950	1.19	0.474	0.325
20000320	89	99	03473	00/F1853	457	1340	1.40	0.383	0.362
20000320	89	100	03474	00/F1854	450	1150	1.26	0.263	0.253
20000320	89	101	03475	00/F1855	433	910	1.12	0.420	0.315

DATE	Gillnet	Sample Number			Fork	Round	Condition	Total metal concentration in flesh (µg/g wet wt)	
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	Factor		
	(mm)	Collection		Lab	(mm)[1]	(g)		Hg	Se
20000320	89	102	03476	00/F1856	474	1440	1.35	0.276	0.323
20000320	89	103	03477	00/F1857	455	1380	1.47	0.422	0.464
20000320	89	105	03479	00/F1859	475	1540	1.44	0.321	0.359
20000320	89	106	03480	00/F1860	464	1350	1.35	0.363	0.293
20000320	89	107	03481	00/F1861	440	1090	1.28	0.384	0.316
20000320	89	108	03482	00/F1862	456	1460	1.54	0.288	0.335
20000320	89	109	03483	00/F1863	468	1430	1.40	0.308	0.362
20000320	89	110	03484	00/F1864	469	1450	1.41	0.212	0.294
20000320	89	111	03485	00/F1865	464	1390	1.39	0.365	0.299
20000321	89	112	03486	00/F1866	460	1370	1.41	0.373	0.358
20000321	89	113	03487	00/F1867	475	1440	1.34	0.285	0.349
20000321	89	114	03488	00/F1868	458	1220	1.27	0.306	0.261
20000321	89	115	03489	00/F1869	456	1230	1.30	0.358	0.268
20000321	89	116	03490	00/F1870	480	1550	1.40	0.266	0.206
20000321	89	117	03491	00/F1871	463	1280	1.29	0.312	0.287
20000321	89	118	03492	00/F1872	456	1320	1.39	0.279	0.261
20000321	89	119	03493	00/F1873	454	1140	1.22	0.379	0.261
20000321	89	120	03494	00/F1874	465	1400	1.39	0.380	0.300
20000321	89	125	03499	00/F1879	462	1280	1.30	0.291	0.310
20000321	89	128	03502	00/F1882	470	1380	1.33	0.310	0.308
20000321	89	129	03503	00/F1883	460	1370	1.41	0.332	0.359
20000321	89	130	03504	00/F1884	460	1320	1.36	0.263	0.306
20000321	89	131	03505	00/F1885	470	1520	1.46	0.230	0.313
20000321	89	133	03507	00/F1887	430	1060	1.33	0.402	0.345
20000321	89	134	03508	00/F1888	440	1090	1.28	0.407	0.347
20000321	89	135	03509	00/F1889	465	1460	1.45	0.338	0.394
20000321	89	141	03515	00/F1895	450	1150	1.26	0.359	0.356
20000321	89	150	03524	00/F1904	460	1340	1.38	0.370	0.275
20000322	89	154	03528	00/F1908	440	1230	1.44	0.351	0.446
20000322	89	155	03529	00/F1909	485	1430	1.25	0.346	0.353
20000322	89	156	03530	00/F1910	455	1160	1.23	0.365	0.247
20000322	89	157	03531	00/F1911	460	1500	1.54	0.283	0.308
20000322	89	158	03532	00/F1912	470	1450	1.40	0.290	0.337
20000322	114	159	03533	00/F1913	470	1530	1.47	0.290	0.333
20000322	114	160	03534	00/F1914	445	1130	1.28	0.404	0.444
20000322	114	161	03535	00/F1915	490	1560	1.33	0.295	0.352
20000322	140	163	03537	00/F1917	440	1080	1.27	0.616	0.362
20000322	140	164	03538	00/F1918	455	1340	1.42	0.305	0.292
20000322	89	165	03539	00/F1919	490	1620	1.38	0.345	0.361
20000322	89	167	03541	00/F1921	420	920	1.24	0.559	0.323
20000322	114	168	03542	00/F1922	460	1330	1.37	0.408	0.325
20000322	114	169	03543	00/F1923	455	1310	1.39	0.398	0.375

[1] total length for burbot

Appendix 11. Biological and tissue metals data for fish collected from Rorey Lake, NT, in November 1997, organized by species and collection date.

DATE	Gillnet	Sample Number				Fork	Round	Age	Sex	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh (mm)	Field Collection	Lockhart Field	Lockhart Lab	Metals Lab	length (mm)	weight (g)	(y)		Factor	As	Hg	Se
LAKE TROUT (*Salvelinus namaycush*)													
19971121	114	A02	2	994	98-F420	504	1340	9	4	1.05	<0.05	0.415	0.19
19971121	114	A03	3	995	98-F421	478	1160	11	6	1.06	<0.05	0.275	0.20
19971121	114	A04	4	996	98-F422	465	1090	10	4	1.08	<0.05	0.253	0.19
19971121	114	A07	7	999	98-F425	485	1210	12	4	1.06	<0.05	0.423	0.19
19971121	114	A08	8	1000	98-F426	582	1730	21	9	0.88	<0.05	0.315	0.21
19971121	114	A33	34	1026	98-F452	509	1270	15	4	0.96	0.06	0.693	0.19
19971121	114	A34	35	1027	98-F453	548	1630	16	4	0.99	0.06	0.484	0.23
19971121	114	A37	38	1030	98-F456	505	1340	12	4	1.04	0.05	0.448	0.20
19971121	114	A38	39	1031	98-F457	455	1020	10	9	1.08	<0.05	0.407	0.19
19971121	114	A41	42	1034	98-F460	519	1460	15	6	1.04	<0.05	0.739	0.28
19971122	114	A01	1	993	98-F419	510	1360	11	6	1.03	<0.05	0.344	0.22
19971122	114		11	1003	98-F429	550	1500			0.90	0.06	0.463	0.20
19971122	114	A32	33	1025	98-F451	530	1740	18	4	1.17	<0.05	0.537	0.22
19971122	114	A40	41	1033	98-F459	484	1330	12	4	1.17	<0.05	0.561	0.20
19971122	114	A46	47	1039	98-F465	486	1310	12	4	1.14	<0.05	0.563	0.24
19971122	114	A47	48	1040	98-F466	500	1460	15		1.17	<0.05	0.274	0.18
19971123	114	A05	5	997	98-F423	528	1660	12	4	1.13	<0.05	0.573	0.19
19971123	114	A35	36	1028	98-F454	518	1620		9	1.17	<0.05	0.429	0.26
19971123	114	A36	37	1029	98-F455	505	1560	13	9	1.21	<0.05	0.530	0.20
19971123	114	A39	40	1032	98-F458	508	1310	13	9	1.00	<0.05	0.455	0.18
19971123	114	A42	43	1035	98-F461	710	3640	15	9	1.02	<0.05	0.485	0.21
19971123	114	A43	44	1036	98-F462	537	1590	14	4	1.03	0.07	0.641	0.20
19971124	114	A44	45	1037	98-F463	540	1700	13	4	1.08	<0.05	0.329	0.19
19971124	114	A45	46	1038	98-F464	485	1350	10	9	1.18	<0.05	0.518	0.19
19971124	114	A48				500	1520	15	9	1.22			
19971125	114	A06	6	998	98-F424	560	1660	23	4	0.95		0.632	0.18
19971125	114	A12	13	1005	98-F431	590	1800	13	F	0.88	0.09	0.294	0.20
19971125	114	A14	15	1007	98-F433	520	1580	13	F	1.12		0.246	0.17
19971125	114	A16	17	1009	98-F435	510	1540	14	F	1.16	0.09	0.406	0.20
19971125	114	A18	19	1011	98-F437			15	M			0.421	0.20
19971126	114	A09	9	1001	98-F427	520	1320	14	M	0.94		0.294	0.10
19971126	114	A10	10	1002	98-F428	550	1500		M	0.90		0.308	0.23
19971126	114	A17	18	1010	98-F436	550	1720	13	M	1.03		0.432	0.23
19971126	114	A28	29	1021	98-F447	540	1800	22		1.14		0.511	0.20
19971126	114	A30	31	1023	98-F449	530	1480	14	M	0.99	0.10	1.019	0.26
19971127	114	A11	12	1004	98-F430	530	1700	25		1.14	0.07	0.490	0.20
19971127	114	A13	14	1006	98-F432	530	1540	14		1.03		0.377	0.19
19971127	114	A15	16	1008	98-F434	540	1600	11	M	1.02	0.07	0.494	0.19
19971127	114	A19	20	1012	98-F438	490	940	11	F	0.80		0.286	0.20
19971127	114	A20	21	1013	98-F439	510	1340	14	M	1.01	0.06	0.651	0.22
19971128	114	A22	23	1015	98-F441	510	1200	14	F	0.90	0.07	0.481	0.18
19971128	114	A24	25	1017	98-F443	570	1320	15	M	0.71		0.526	0.21

DATE	Gillnet	Sample Number				Fork	Round	Age	Sex	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Lockhart	Metals	length	weight	(y)		Factor			
	(mm)	Collection	Field	Lab	Lab	(mm)	(g)				As	Hg	Se
19971128	114	A25	26	1018	98-F444	560	1640		M	0.93		0.389	0.18
19971128	114	A26	27	1019	98-F445	540	1600	21	M	1.02	0.06	0.485	0.22
19971129	114	A21	22	1014	98-F440	540	1680	19	F	1.07		0.215	0.23
19971129	114	A23	24	1016	98-F442	580	1820	21	F	0.93	0.08	0.396	0.20
19971129	114	A27	28	1020	98-F446	560	1580		F	0.90	0.07	0.500	0.24
19971129	114	A29	30	1022	98-F448	570	1820		F	0.98		0.378	0.22
19971129	114	A31	32	1024	98-F450	940	8880		M	1.07		0.462	0.21
LAKE WHITEFISH (*Coregonus clupeaformis*)													
19971121	114	1				470	1360	8	F	1.31			
19971121	114	2				430	1400	13	M	1.76			
19971121	114	3				480	1360	10	F	1.23			
19971121	114	4				500	1580	11	M	1.26			
19971121	114	5				440	800	9	M	0.94			
19971121	114	6				460	1040	8	F	1.07			
19971121	114	7				470	1240	8	M	1.19			
19971121	114	8				400	920	6	M	1.44			
19971121	114	9				390	320	6	F	0.54			
19971121	114	10				470	960	12	F	0.92			
19971121	114	11				480	860	13	M	0.78			
19971121	114	12				450	900	9	M	0.99			
19971121	114	13				540	1640	15	F	1.04			
19971121	114	14				440	580	8	M	0.68			
19971121	114	15				440	1600	9	F	1.88			
19971121	114	16				480	1580	9	M	1.43			
19971121	114	20				500	1240	8	F	0.99			
19971121	114	29				400	760	7	F	1.19			
19971121	114	30				490	1480	9	M	1.26			
19971121	114	31				500	1780	8	F	1.42			
19971121	114	32				400	820	5	M	1.28			
19971121	114	33				410	800	8	F	1.16			
19971121	114	34				510	1340	21	F	1.01			
19971121	114	35				480	1000	9	M	0.90			
19971121	114	36				480	1100	9	M	0.99			
19971121	114	38				460	740	11	M	0.76			
19971122	114	58				450	1240	9	M	1.36			
19971122	114	59				490	1460	23	M	1.24			
19971122	114	60				500	1980	15	M	1.58			
19971122	114	61				490	1420	8	M	1.21			
19971122	114	62				460	1260	10	F	1.29			
19971122	114	63				470	1420	11	F	1.37			
19971122	114	64				490	1600	22	F	1.36			
19971122	114	65				460	1280	9	M	1.32			
19971122	114	66				450	1160	8	M	1.27			
19971122	114	67				460	1380	9	F	1.42			
19971122	114	68				500	1720	12	F	1.38			
19971122	114	69				520	1780	12	F	1.27			

DATE	Gillnet	Sample Number				Fork	Round	Age	Sex	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Lockhart	Metals	length	weight	(y)		Factor			
	(mm)	Collection	Field	Lab	Lab	(mm)	(g)				As	Hg	Se
19971122	114	70				500	1740	21	F	1.39			
19971122	114	71				480	1420	10	M	1.28			
19971122	114	72				510	1540	11	F	1.16			
19971122	114	73				480	1320	9	F	1.19			
19971122	114	74				510	1660	24	F	1.25			
19971122	114	75				520	1940	18	F	1.38			
19971122	114	76				520	1820	23	F	1.29			
19971122	114	77				490	1380	11	F	1.17			
19971122	114	78				470	1340	9	M	1.29			
19971122	114	79				480	1280	10	M	1.16			
19971122	114	80				520	1960	23	F	1.39			
19971122	114	81				430	1080	8	M	1.36			
19971122	114	82				510	1640	10	F	1.24			
19971122	114	83				450	1280	9	M	1.40			
19971123	114	87				490	1500	10	F	1.27			
19971123	114	88				540	1860	10	F	1.18			
19971123	114	89				460	1580	9	F	1.62			
19971123	114	90				480	1520	9	F	1.37			
19971123	114	91				520	1940	21	M	1.38			
19971123	114	92				460	1300	9	M	1.34			
19971123	114	93				500	1540	20	F	1.23			
19971123	114	94				540	1940	20	F	1.23			
19971123	114	95				480	1460	8	F	1.32			
19971123	114	96				480	1580	11	F	1.43			
19971123	114	97				540	1820	19	F	1.16			
19971123	114	98				500	1640	8	M	1.31			
19971123	114	99				530	2000	21	M	1.34			
19971123	114	100				530	1880	19	F	1.26			
19971123	114	101				460	1480	8	F	1.52			
19971123	114	102				470	1340	12	F	1.29			
19971123	114	103				470	1300	8	M	1.25			
19971123	114	104				520	1720	13	M	1.22			
19971123	114	105				470	1400	9	M	1.35			
19971123	114	106				500	1620	11	M	1.30			
19971123	114	107				530	1840	17	F	1.24			
19971123	114	108				520	1660	23	F	1.18			
19971123	114	119				520	1900	9	M	1.35			
19971123	114	120				450	1180	8	F	1.29			
19971123	114	121				440	980	8	M	1.15			
19971123	114	122				490	1360	9	F	1.16			
19971123	114	123				430	980	7	M	1.23			
19971123	114	124				410	860	6	M	1.25			
19971124	114	136				560	1940	25	F	1.10			
19971124	114	142				440	1060	7	M	1.24			
19971124	114	143				460	1260	9	F	1.29			
19971124	114	144				420	1040	8	M	1.40			
19971124	114	145				530	2260	11	M	1.52			
19971124	114	146				470	1540	9	M	1.48			

DATE	Gillnet	Sample Number				Fork	Round	Age	Sex	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Lockhart	Metals	length	weight	(y)		Factor			
	(mm)	Collection	Field	Lab	Lab	(mm)	(g)				As	Hg	Se
19971124	114	147				500	1700	20	F	1.36			
19971124	114	148				540	1980	23	F	1.26			
19971124	114	149				550	2120	21	F	1.27			
19971124	114	150				510	1680	19	F	1.27			
19971124	114	151				520	1860	21	M	1.32			
19971124	114	152				550	2140	22	F	1.29			
19971124	114	153				480	1580	13	M	1.43			
19971124	114	154				450	1100	9	M	1.21			
19971124	114	155				500	1900	10	F	1.52			
19971124	114	156				480	1460	8	F	1.32			
19971124	114	157				480	1360	9	M	1.23			
19971124	114	158				460	1420	10	M	1.46			
19971124	114	159				490	1560	10	M	1.33			
19971124	114	160				540	1960	23	M	1.24			
19971124	114	161				490	1700	11	M	1.44			
19971124	114	162				400	840	10	F	1.31			
19971124	114	163				500	1600	21	F	1.28			
19971124	114	164				470	1280	9	F	1.23			
19971124	114	165				520	1700	21	F	1.21			
19971124	114	252				470	1360	9	M	1.31			
19971124	114	253				500	1500	9	M	1.20			
19971124	114	254				470	1460	9	M	1.41			
19971124	114	255				490	1740	9	F	1.48			
19971125	114	50				480	1180	10	F	1.07			
19971125	114	51				430	1120	9	M	1.41			
19971125	114	52				500	1740	10	M	1.39			
19971125	114	53				430	920	5	M	1.16			
19971125	114	54				420	860	5	F	1.16			
19971125	114	55				500	1560	9	F	1.25			
19971125	114	56				520	1540	10	M	1.10			
19971125	114	57				500	1420	24	M	1.14			
19971125	114	168				510	1360	11	F	1.03			
19971125	114	169				500	1220	13	F	0.98			
19971125	114	170				450	880	8	F	0.97			
19971125	114	171				460	1140	8	M	1.17			
19971125	114	172				520	1800	19	F	1.28			
19971125	114	173				550	2080	21	F	1.25			
19971125	114	195				420	680	6	F	0.92			
19971125	114	196				480	1240	8	M	1.12			
19971125	114	197				530	1880	24	M	1.26			
19971125	114	198				450	760	11	F	0.83			
19971125	114	199				510	1420	13	F	1.07			
19971125	114	200				480	1220	9	F	1.10			
19971125	114	201				500	1400	13	M	1.12			
19971125	114	202				560	2020	20	F	1.15			
19971125	114	203				490	1560	9	M	1.33			
19971125	114	204				500	1420	10	M	1.14			
19971125	114	205				480	1320	9	M	1.19			

DATE	Gillnet	Sample Number				Fork	Round	Age	Sex	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Lockhart	Metals	length	weight	(y)		Factor			
	(mm)	Collection	Field	Lab	Lab	(mm)	(g)				As	Hg	Se
19971126	114	109				500	1460	11	F	1.17			
19971126	114	110				450	1100	8	F	1.21			
19971126	114	111				510	1560	13	M	1.18			
19971126	114	112				480	1540	10	M	1.39			
19971126	114	113				520	1640	25	M	1.17			
19971126	114	114				470	1400	20	M	1.35			
19971126	114	115				450	1220	9	M	1.34			
19971126	114	116				460	1260	9	F	1.29			
19971126	114	117				500	1820	9	F	1.46			
19971126	114	118				430	960	7	M	1.21			
19971127	114	206				450	1180	9	F	1.29			
19971127	114	207				490	1620	10	M	1.38			
19971127	114	208				420	1000	7	F	1.35			
19971127	114	209				500	2020	23	M	1.62			
19971127	114	210				480	1420	10	F	1.28			
19971127	114	217				500	1720	19	F	1.38			
19971127	114	218				480	1500	9	F	1.36			
19971127	114	219				440	1180	6	M	1.39			
19971127	114	220				490	1380	9	F	1.17			
19971127	114	221				500	1580	10	M	1.26			
19971127	114	222				440	1240	7	F	1.46			
19971127	114	223				450	1300	9	F	1.43			
19971127	114	224				500	1760	12	M	1.41			
19971127	114	225				470	1420	9	F	1.37			
19971127	114	226				490	1480	22	M	1.26			
19971127	114	227				490	1660	25	M	1.41			
19971128	114	228				520	1740	20	M	1.24			
19971128	114	229				540	1980	25	F	1.26			
19971128	114	230				510	1700	23	M	1.28			
19971128	114	231				510	1580	20	F	1.19			
19971128	114	232				530	1980		M	1.33			
19971128	114	233				510	1420	21	M	1.07			
19971128	114	234				500	1420	21	F	1.14			
19971128	114	235				420	720	8	F	0.97			
19971128	114	236				510	1420	20	F	1.07			
19971128	114	237				530	1700	21	M	1.14			
19971128	114	238				510	1640	21	F	1.24			
19971128	114	239				570	2120	25	M	1.14			
19971128	114	240				520	1660	25	M	1.18			
19971128	114	241				490	1200	9	M	1.02			
19971128	114	242				530	2200	10	F	1.48			
19971128	114	243				400	460	6	M	0.72			
19971128	114	244				550	1940	20	M	1.17			
19971128	114	245				460	1260	6	M	1.29			
19971128	114	250				530	2120	21	F	1.42			
19971128	114	251				540	2220	24	M	1.41			
19971129	114	174				550	2000	19	M	1.20			
19971129	114	175				500	1640	20	M	1.31			

DATE	Gillnet	Sample Number				Fork	Round	Age	Sex	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Lockhart	Metals	length	weight	(y)		Factor			
	(mm)	Collection	Field	Lab	Lab	(mm)	(g)				As	Hg	Se
19971129	114	176				440	1080	7	F	1.27			
19971129	114	177				600	3160	26		1.46			
19971129	114	178				500	1640	13	M	1.31			
19971129	114	179				530	1880	10	F	1.26			
19971129	114	180				520	1640	11	M	1.17			
19971129	114	185				480	1400	10	F	1.27			
19971129	114	186				510	1800	23	M	1.36			
19971129	114	187				390	860	8	F	1.45			
YELLOW WALLEYE (*Stizostedion vitreum*)													
19971121	114	21				520	1900	14	F	1.35			
19971121	114	23				520	1940	16	F	1.38			
19971121	114	24				520	1920	15	F	1.37			
19971121	114	25				500	1680	20	F	1.34			
19971121	114	26				520	1820	14	F	1.29			
19971121	114	27				530	1840	19	F	1.24			
19971121	114	28				440	1100	8	F	1.29			
19971122	114	46				530	1860	15	F	1.25			
19971122	114	47				480	1620	23	F	1.46			
19971122	114	48				450	1200	11	F	1.32			
19971122	114	49				520	2200	17	F	1.56			
19971123	114	131				510	1740	19	F	1.31			
19971123	114	132				530	2060	17	F	1.38			
19971123	114	133				510	1800	16	F	1.36			
19971123	114	134				570	2600	18	F	1.40			
19971123	114	135				470	1320	17	F	1.27			
19971124	114	138				470	1300	14	F	1.25			
19971124	114	139				480	1580	15	F	1.43			
19971125	114	167				580	2720	26	F	1.39			
19971126	114	194				500	1600	17	F	1.28			
19971127	114	211				570	2640	17	F	1.43			

Appendix 12. Biological and tissue metals data for fish captured from Tagatui Lake, NT, in November and December 1996, organized by species, collection date, and gillnet mesh size.

DATE	Gillnet	Sample Number			Fork	Round	Sex	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh (mm)	Field Collection	Lockhart	Metals Lab	length (mm)	weight (g)		Factor	As	Hg	Se
LAKE WHITEFISH (*Coregonus clupeaformis*)											
19961127	89	1	606	96-528	300	400	4	1.48	0.20	0.021	0.14
19961127	89	2	607	96-529	297	380	10	1.45	0.10	0.027	0.10
19961127	89	3	608	96-530	270	260	9	1.32	0.11	0.020	0.12
19961127	89	4	609	96-531	330	490	3	1.36	0.15	0.043	0.09
19961127	89	5	610	96-532	305	390	9	1.37	0.17	0.022	0.13
19961127	89	6	611	96-533	300	370	4	1.37	0.17	0.029	0.13
19961127	89	7	612	96-534	300	380	4	1.41	0.07	0.029	0.14
19961127	89	8	613	96-535	275	280	9	1.35	<0.05	0.033	0.15
19961128	89	9	614	96-536	340	510	M	1.30	0.11	0.026	0.15
19961128	89	10	615	96-537	320	440	M	1.34	0.13	0.024	0.13
19961128	140	11	616	96-538	390	720	M	1.21	0.11	0.035	0.11
19961129	89	12	617	96-539	280	290	F	1.32	0.10	0.022	0.12
19961129	140	13	618	96-540	385	830	M	1.45	0.10	0.031	0.11
19961129	140	14	619	96-541	390	830	M	1.40	<0.05	0.039	0.11
19961130	89	15	620	96-542	380	720	F	1.31	<0.05	0.055	0.10
19961130	140	16	621	96-543	320	460	F	1.40	0.06	0.027	0.11
19961201	89	17	622	96-544	310	380	F	1.28	0.07	0.025	0.14
19961201	89	18	623	96-545	340	550	F	1.40	0.11	0.029	0.12
19961201	140	19	624	96-546	440	1180	F	1.39	0.12	0.078	0.11
19961201	140	20	625	96-547	460	1560	F	1.60	0.06	0.084	0.06
19961201	114	21			375	720	M	1.37			
19961216	89	22			370	700	M	1.38			
19961216	89	23			320	490	F	1.50			
19961216	89	24			345	570	F	1.39			
19961216	89	25			340	540	F	1.37			
19961216	89	26			310	390	M	1.31			
19961216	89	27			305	370	M	1.30			
19961216	89	28			300	360	F	1.33			
19961216	89	29			300	380	M	1.41			
19961216	89	30			300	360	M	1.33			
19961216	114	31			380	770	F	1.40			
19961216	114	32			325	500	F	1.46			
19961217	114	33			390	770	F	1.30			
19961218	89	34			310	440	F	1.48			
19961218	89	35			380	780	F	1.42			
19961218	89	36			370	740	F	1.46			
19961218	89	37			345	590	F	1.44			
19961218	89	38			330	500	M	1.39			
19961218	89	39			310	500	M	1.68			
19961218	89	40			310	410	M	1.38			
19961218	89	41			290	380	F	1.56			
19961218	89	42			330	450	M	1.25			

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number Field Collection	Lockhart	Metals Lab	Fork length (mm)	Round weight (g)	Sex	Condition Factor	Total metal concentration in flesh (µg/g wet wt) As	Hg	Se
19961218	89	43			310	420	F	1.41			
19961218	89	44			280	280	M	1.28			
19961218	114	45			325	560	F	1.63			
19961219	114	46			370	640	F	1.26			
19961219	89	47			310	370	M	1.24			
19961219	89	48			410	980	M	1.42			
19961219	89	49			335	500	M	1.33			
19961219	89	50			330	450	M	1.25			
NORTHERN PIKE (*Esox lucius*)											
19961127	89	1	626	96-548	500	800	6	0.64	<0.05	0.174	0.07
19961128	140	2	627	96-549	1100	9180	F	0.69	0.10	0.597	0.09
19961129	140	3	628	96-550	535	1080	F	0.71	0.07	0.156	0.07
19961129	114	4	629	96-551	635	1960	M	0.77	0.10	0.139	0.09
19961201	140	5	630	96-552	800	4450	F	0.87	0.16	0.166	0.10
19961201	114	6	631	96-553	590	1710	M	0.83	0.14	0.197	0.11
19961216	114	7	632	96-554	450	700	F	0.77	0.09	0.058	0.09
19961216	114	8	633	96-555	750	3420	F	0.81	0.14	0.149	0.09
19961216	114	9	634	96-556	740	3850	F	0.95	0.19	0.150	0.11
19961218	89	10	635	96-557	500	800	F	0.64	0.10	0.053	0.14
19961218	89	11	636	96-558	490	880	F	0.75	0.06	0.095	0.09
19961218	89	12	637	96-559	790	4230	F	0.86	0.12	0.179	0.11
19961218	114	13	638	96-560	510	760	M	0.57	0.08	0.171	0.10
19961218	114	14	639	96-561	730	3150	F	0.81	0.13	0.147	0.10
19961219	89	15	640	96-562	510	800	M	0.60	0.07	0.118	0.13
19961219	89	16	641	96-563	515	1060	M	0.78	0.12	0.171	0.09

Appendix 13. Biological and tissue metals data for fish captured in 114 mm mesh gillnets from Turton Lake, NT, in March 1996, organized by species and collection date.

DATE (ddmmyy)	Gillnet Mesh (mm)	Sample Number			Fork length (mm)	Round weight (g)	Fin Age (y)	Sex	Condition Factor	Total Hg in flesh (µg/g wet wt)
		Field Collection	Lockhart	Metals Lab						
LAKE TROUT (*Salvelinus namaycush*)										
19960312	114	1	276	96-4041	540	1740	12	M	1.11	0.589
19960312	114	2	277	96-4042	570	1780	10	M	0.96	0.497
19960312	114	3	278	96-4043	600	2180		M	1.01	0.641
19960312	114	4	279	96-4044	530	1510	13	F	1.01	0.660
19960313	114	5	280	96-4045	580	2370	18	M	1.21	0.535
19960313	114	6	281	96-4046	550	1750	20	M	1.05	0.682
19960313	114	7	282	96-4047	580	2320	16	F	1.19	0.526
19960313	114	8	283	96-4048	600	2100	15	F	0.97	0.938
19960313	114	9	284	96-4049	570	1780	9	M	0.96	0.534
19960313	114	10	285	96-4050	600	2480		M	1.15	0.639
19960313	114	11	286	96-4051	520	1520	10	F	1.08	0.641
19960313	114	12	287	96-4052	600	2580		M	1.19	0.846
19960313	114	13	288	96-4053	540	1720	11	M	1.09	0.581
19960313	114	14	289	96-4054	580	2240	16	F	1.15	0.503
19960313	114	15	290	96-4055	560	2000		F	1.14	0.619
19960313	114	16	291	96-4056	600	2540	14	M	1.18	0.535
19960313	114	17	292	96-4057	530	1680	8	F	1.13	0.378
19960313	114	18	293	96-4058	600	2460	6	F	1.14	0.593
19960313	114	19	294	96-4059	520	1040	13	F	0.74	0.540
19960313	114	20	295	96-4060	560	2300		M	1.31	0.539
19960313	114	21	296	96-4061	590	2250	12	M	1.10	0.617
19960314	114	22	297	96-4062	560	1890		M	1.08	0.558
19960314	114	23	298	96-4063	560	1780	10	M	1.01	0.484
19960314	114	24	299	96-4064	520	1440	8	M	1.02	0.573
19960314	114	25	300	96-4065	620	2470	13	M	1.04	0.582
19960314	114	26	301	96-4066	630	2530		M	1.01	0.627
19960314	114	27	302	96-4067	520	1390	11	M	0.99	0.588
19960314	114	28	303	96-4068	580	2130		M	1.09	0.757
19960314	114	29	304	96-4069	530	1460	8	F	0.98	0.441
19960314	114	30	305	96-4070	570	2020	6	F	1.09	0.932
19960314	114	31	306	96-4071	600	2500		M	1.16	0.544
19960314	114	32	307	96-4072	570	2110		F	1.14	0.643
19960314	114	33	308	96-4073	560	1740		M	0.99	0.633
19960314	114	34	309	96-4074	580	2050	17	F	1.05	0.710
19960315	114	35	310	96-4075	550	1580	9	M	0.95	0.515
19960315	114	36	311	96-4076	650	3040	15	M	1.11	0.612
19960315	114	37	312	96-4077	620	2110	16	M	0.89	0.705
19960315	114	38	313	96-4078	610	2310	8	F	1.02	0.628
19960315	114	39	314	96-4079	610	2750	18	F	1.21	0.702
19960315	114	40	315	96-4080	470	1150	11	F	1.11	0.299
19960316	114	41	316	96-4081	520	1450	8	M	1.03	0.420

DATE (ddmmyy)	Gillnet Mesh (mm)	Sample Number: Field Collection	Sample Number: Lockhart	Sample Number: Metals Lab	Fork length (mm)	Round weight (g)	Fin Age (y)	Sex	Condition Factor	Total Hg in flesh (µg/g wet wt)
19960316	114	42	317	96-4082	610	2520		F	1.11	0.566
19960316	114	43	318	96-4083	580	2290	11	F	1.17	0.780
19960316	114	44	319	96-4084	540	1780	10	F	1.13	0.466
19960316	114	45	320	96-4085	580	2050	9	F	1.05	0.528
19960316	114	46	321	96-4086	590	2460	14	F	1.20	0.689
19960316	114	47	322	96-4087	540	1540	11	F	0.98	0.502
19960316	114	48	323	96-4088	520	1830	12	M	1.30	0.725
19960316	114	49	324	96-4089	550	2070		F	1.24	0.659
19960316	114	50	325	96-4090	620	2530		M	1.06	0.625
19960317	114	51	326	96-4091	520	1530	8	M	1.09	0.429
19960317	114	52	327	96-4092	610	2640		M	1.16	0.790
19960317	114	53	328	96-4093	540	1580	13	M	1.00	0.531
19960317	114	54	329	96-4094	510	1380		M	1.04	0.511
19960317	114	55	330	96-4095	590	2280		F	1.11	0.609
LAKE WHITEFISH (*Coregonus clupeaformis*)										
19960313	114	1	264	96-4029	430	980	15	M	1.23	0.149
19960313	114	2	265	96-4030	430	1070	11	F	1.35	0.179
19960314	114	4	266	96-4031	360	610	10	M	1.31	0.075
19960314	114	5	267	96-4032	470	1610	16	M	1.55	0.134
19960314	114	6	268	96-4033	420	1030	16	M	1.39	0.093
19960314	114	7	269	96-4034	380	670	11	F	1.22	0.102
19960315	114	8	270	96-4035	450	1110	15	M	1.22	0.095
19960316			271	96-4036						0.105
19960316	114	10	272	96-4037	410	1000	14	M	1.45	0.101
19960316	114	11	273	96-4038	440	1010	10	M	1.19	0.105
19960316	114	12	274	96-4039	400	900	13	F	1.41	0.132
19960316	114		275	96-4040						0.081